Systems & Control Letters 20 (1993) 473–493
North-Holland

Master Index Volumes 11–20

Achhab, M.E. and **S. Cherkaoui,** Stabilization of partially observed stochastic evolution systems (13) (1989) (1) 73– 79
Aeyels, D., On stabilization by means of the Energy–Casimir method (18) (1992) (5) 325–328
Aeyels, D., and **R. Sepulchre,** Stability for dynamical systems with first integrals: A topological criterion (19) (1992) (6) 461–465
Agathoklis, P., see V. Sreeram (12) (1989) (1) 33– 38
Aggoun, L. and **R.J. Elliott,** Finite dimensional predictors for hidden Markov chains (19) (1992) (5) 335–340
Agrachev, A.A. and **R.V. Gamkrelidze,** Local controllability for families of diffeomorphisms (20) (1993) (1) 67– 76
Agrawal, R. and **D. Teneketzis,** Certainty equivalence control with forcing: revisited (13) (1989) (5) 405–412
Ailon, A., Disturbance decoupling with stability and impulse-free response in singular systems (19) (1992) (5) 401–411
Aliev, F.A., B.A. Bordyug and **V.B. Larin,** Comments on "A stability-enhancing scaling procedure for Schur–Riccati solvers" (14) (1990) (5) 453
Aliev, F.A., B.A. Bordyug and **V.B. Larin,** Discrete generalized algebraic Riccati equations and polynomial matrix factorization (18) (1992) (1) 49– 59
Aliev, F.A., see V.B. Larin (20) (1993) (2) 109–112
Allwright, J.C. and **G.C. Papavasiliou,** On linear programming and robust model-predictive control using impulse-responses (18) (1992) (2) 159–164
Altman, E. and **V. Gaitsgory,** Control of a hybrid stochastic system (20) (1993) (4) 307–314
Alvarez, J., R. Suárez and **J. Alvarez,** Planar linear systems with single saturated feedback (20) (1993) (4) 319–326
Alvarez, J., see J. Alvarez (20) (1993) (4) 319–326
Amin, M.H., Construction and parametrization of a class of minimum-time deadbeat controllers (13) (1989) (4) 353–361
Amin, M.H., see A.M. Elabdalla (11) (1988) (3) 213–219
Andersland, M.S., Decoupling non-sequential stochastic control problems (16) (1991) (1) 65– 69
Anderson, B.D.O. and **S. Dasgupta,** Connections between real Schur polynomials and half order complex Schur polynomials (18) (1992) (3) 237–244
Anderson, B.D.O., see M.R. Frater (12) (1989) (4) 351–356
Anderson, B.D.O., see J. Lam (18) (1992) (2) 129–137
Anderson, B.D.O., see A. Linnemann (12) (1989) (3) 225–234
Anderson, B.D.O., see M. Mansour (20) (1993) (1) 39– 47
Anderson, J.N., see Y.D. Song (17) (1991) (1) 59– 70
Anderson, B.D.O., see M. Vidyasagar (12) (1989) (2) 95–101
Anderson, B.D.O., see W. Yan (15) (1990) (2) 137–146
Andriano, V., Global feedback stabilization of the angular velocity of a symmetric rigid body (20) (1993) (5) 361–364
Antoulas, A.C., On minimal realizations: A polynomial approach (14) (1990) (4) 319–324
Arapostathis, A., B. Jakubczyk, H.-G. Lee, S.I. Marcus and **E.D. Sontag,** The effect of sampling on linear equivalence and feedback linearization (13) (1989) (5) 373–381
Arapostathis, A., see E. Fernández-Gaucherand (15) (1990) (5) 425–432
Arvanitis, K.G. and **P.N. Paraskevopoulos,** Uniform exact model matching for a class of linear time-varying analytic systems (19) (1992) (4) 313–323
Ayala Bravo, V. and **L.A.B. San Martin,** Minimal realizations under controllability (16) (1991) (4) 289–293

Bacciotti, A. and **P. Boieri,** A characterization of single-input planar bilinear systems which admit a smooth stabilizer (16) (1991) (2) 139–144
Bai, E.W., Adaptive regulation of discrete time systems by switching control (11) (1988) (2) 129–133
Bai, E.-W., Uncertainty bound of sampled data systems (19) (1992) (2) 151–156
Bai, Er-Wei and **S. Dasgupta,** A note on generalized hold functions (14) (1990) (4) 363–368
Bai, E.-W., see S. Raman (18) (1992) (3) 173–177
Balakrishnan, V. and **S. Boyd,** On computing the worst-case peak gain of linear systems (19) (1992) (4) 265–269
Balakrishnan, V., see S. Boyd (15) (1990) (1) 1– 7
Balas, G., see A. Packard (19) (1992) (4) 271–280
Ball, J.A., I. Gohberg and **L. Rodman,** The structure of flat gain rational matrices that satisfy two-sided interpolation requirements (20) (1993) (6) 401–411
Balsamo, J.W., see A. Packard (11) (1988) (5) 365–367
Bambos, N. and **J. Walrand,** On the asymptotic execution time of multi-tasked processes on tandem processors (13) (1989) (5) 391–396
Bamieh, B. and **J. Boyd Pearson,** The $\mathcal{H}^2$ problem for sampled-data systems (19) (1992) (1) 1– 12

0167-6911/93/$06.00 © 1993 – Elsevier Science Publishers B.V. All rights reserved

Bamieh, B., J.B. Pearson, B.A. Francis and **A. Tannenbaum,** A lifting technique for linear periodic systems with applications to sampled-data control (17) (1991) (2) 79– 88
Bamieh, B., see P.G. Voulgaris (20) (1993) (4) 249–261
Banaszuk, A., M. Kocięcki and **K.M. Przyluski,** On almost invariant subspaces for implicit linear discrete-time systems (11) (1988) (4) 289–297
Banek, T., Filtering of some nonlinear diffusions satisfying the general Beneš condition (11) (1988) (4) 333–339
Barabanov, A.E., LQ optimal control by means of stable regulators (17) (1991) (5) 351–356
Barb, F.D. and **M. Weiss,** On the Hankel singular values of linear continuous and sampled-data multivariable systems (16) (1991) (3) 155–158
Barmish, B.R., P.P. Khargonekar, Z.C. Shi and **R. Tempo,** Robustness margin need not be a continuous function of the problem data (15) (1990) (2) 91– 98
Barmish, B.R., see M. Fu (11) (1988) (3) 173–179
Barmish, B.R., see A. Sideris (13) (1989) (3) 233–238
Bartlett, A.C., A. Tesi and **A. Vicino,** Vertices and segments of interval plants are not sufficient for step response analyses (19) (1992) (5) 365–370
Başar, T., Disturbance attenuation in LTI plants with finite horizon: Optimality of nonlinear controllers (13) (1989) (3) 183–191
Başar, T., Optimum performance levels for minimax filters, predictors and smoothers (16) (1991) (5) 309–317
Başar, T., Optimum H^∞ designs under sampled state measurements (16) (1991) (6) 399–409
Bastin, G., see G. Campion (12) (1988) (3) 251–258
Basto Gonçalves, J., Local controllability in 3-manifolds (14) (1990) (1) 45– 49
Basto Gonçalves, J., Local controllability of scalar input systems on 3-manifolds (16) (1991) (5) 349–355
Battilotti, S., Necessary conditions for nonlinear block noninteracting control with stability via dynamic state-feedback (19) (1992) (6) 481–491
Battilotti, S. and **W.P. Dayawansa,** Noninteracting control with stability for a class of nonlinear systems (17) (1991) (5) 327–338
Baykal-Gürsoy, M., see P.E. Caines (12) (1989) (1) 71– 76
Baykal-Gürsoy, M., see P.E. Caines (12) (1989) (4) 381
Bayoumi, M.M., see L. Mo (15) (1990) (5) 405–409
Beghelli, S. and **U. Soverini,** Identification of linear relations from noisy data: Geometrical aspects (18) (1992) (5) 339–346
Belbas, S.A., The dynamic programming equations for stochastic games with discrete actions (11) (1988) (3) 235–242
Belforte, G., Parameter identification for models with bounded errors in all variables (19) (1992) (6) 425–428
Belforte, G. and **T.T. Tay,** Optimal input design for worst-case system identification in $l_1/l_2/l_\infty$ (20) (1988) (4) 273–278
Belhouari, A., E. Tissir and **A. Hmamed,** Stability of interval matrix polynomial in continuous and cases discrete (18) (1992) (3) 183–189
Bentsman, J., J. Fakhfakh and **R.B. Lehman,** Vibrational stabilization of linear time delay systems and its robustness with respect to the delay size (12) (1989) (3) 267–272
Berghuis, H., H. Nijmeijer and **P. Löhnberg,** An addendum on "Robust control of robots by the computed torque method" (18) (1992) (5) 403–407
Bernhard, P., Application of the min–max certainty equivalence principle to the sampled data output feedback H^∞ control problem (16) (1991) (4) 229–234
Bernhardsson, B., L. Ljung and **K. Wang,** Corrections to "A discussion of adaptive stabilization and robust adaptive control" (14) (1990) (2) 183
Bernstein, D.S. and **W.M. Haddad,** Steady-state Kalman filtering with an H_∞ error bound (12) (1989) (1) 9– 16
Bernstein, D.S. and **W.M. Haddad,** Robust decentralized optimal output feedback (12) (1989) (4) 309–318
Bernstein, D.S. and **C.V. Hollot,** Robust stability for sampled-data control systems (13) (1989) (3) 217–226
Bernstein, D.S., see W.M. Haddad (14) (1990) (2) 113–120
Bernstein, D.S., see W.M. Haddad (14) (1990) (3) 185–197
Bernstein, D.S., see W.M. Haddad (16) (1991) (4) 235–247
Bernstein, D.S., see W.M. Haddad (17) (1991) (3) 191–208
Bernstein, D.S., see A.N. Madiwale (12) (1989) (5) 383–391
Bernussou, J., P.L.D. Peres and **J.C. Geromel,** A linear programming oriented procedure for quadratic stabilization of uncertain systems (13) (1989) (1) 65– 72
Bettayeb, M., see D. Kavranoğlu (20) (1993) (2) 99–107
Bitmead, R.R., see W. Yan (15) (1990) (2) 137–146
Bitsoris, G., On the positive invariance of polyhedral sets for discrete-time systems (11) (1988) (3) 243–248
Bitsoris, G., see M. Vassilaki (13) (1989) (3) 247–252
Bittanti, S., P. Bolzern and **M. Campi,** Exponential convergence of a modified directional forgetting identification algorithm (14) (1990) (2) 131–137
Bittanti, S. and **M. Campi,** Adaptive RLS algorithms under stochastic excitation – Strong consistency analysis (17) (1991) (1) 3– 8
Bittanti, S., P. Colaneri and **G. De Nicolao,** An algebraic Riccati equation for the discrete-time periodic problem (14) (1990) (1) 71– 78

Blanchini, F., Controllability analysis and eigenvalue assignment for generalized state-space systems (15) (1990) (4) 285–293
Bloch, A.M. and **J.E. Marsden,** Stabilization of rigid body dynamics by the Energy–Casimir method (14) (1990) (4) 341–346
Blondel, V., A counterexample to a simultaneous stabilization condition for systems with identical unstable poles and zeros (17) (1991) (5) 339–341
Bobryk, R.V., Conditions for the moment stability of linear stochastic systems (20) (1993) (3) 227–232
Boieri, P., see A. Bacciotti (16) (1991) (2) 139–144
Boley, D. and **G. Golub,** The nonsymmetric Lanczos algorithm and controllability (16) (1991) (2) 97–105
Bolzern, P., see S. Bittanti (14) (1990) (2) 131–137
Bonnet, C., Convergence and convergence rate of the balanced realization truncations for infinite-dimensional discrete-time systems (20) (1993) (5) 353–359
Boothby, W.M. and **R. Marino,** Feedback stabilization of planar nonlinear systems (12) (1989) (1) 87– 92
Bordyug, B.A., see F.A. Aliev (14) (1990) (5) 453
Bordyug, B.A., see F.A. Aliev (18) (1992) (1) 49– 59
Borkar, S.V., 'Minimum toll' control of diffusions (12) (1989) (4) 343–349
Boutahar, M. and **C. Deniau,** Almost sure convergence of least squares estimates for regular multivariate ARX systems (19) (1992) (2) 157–163
Boyd Pearson, J., see B. Bamieh (19) (1992) (1) 1– 12
Boyd, S. and **V. Balakrishnan,** A regularity result for the singular values of a transfer matrix and a quadratically convergent algorithm for computing its L_∞-norm (15) (1990) (1) 1– 7
Boyd, S., see V. Balakrishnan (19) (1992) (4) 265–269
Brandt, R.D., V. Garg, R. Kumar, F. Lin, S.I. Marcus and **W.M. Wonham,** Formulas for calculating supremal controllable and normal sublanguages (15) (1990) (2) 111–117
Brockett, R.W. and **W.A. Cebuhar,** Optimal compensation of nonlinearities in the presence of noise (17) (1991) (5) 375–381
Brockett, R.W. and **L.E. Faybusovich,** Toda flows, inverse spectral transform and realization theory (16) (1991) (2) 79– 88
Bruinsma, N.A. and **M. Steinbuch,** A fast algorithm to compute the H_∞-norm of a transfer function matrix (14) (1990) (4) 287–293
Bucy, R.S. and **E. Jonckheere,** Singular filtering problems (13) (1989) (4) 339–344
Busvelle, E., see F. Deza (18) (1992) (4) 295–299
Byrnes, C.I. and **A. Isidori,** Local stabilization of minimum-phase nonlinear systems (11) (1988) (1) 9– 17
Byrnes, C.I. and **A. Isidori,** New results and examples in nonlinear feedback stabilization (12) (1989) (5) 437–442

Cabrera, J.B.D. and **K. Furuta,** Improving the robustness of Nussbaum-type regulators by the use of σ-modification – Local results (12) (1989) (5) 421–429
Caines, P.E., Continuous time stochastic adaptive control: non-explosion, ε-consistency and stability (19) (1989) (3) 169–176
Caines, P.E. and **M. Baykal-Gürsoy,** On the L^∞ consistency of L^2 estimators (12) (1989) (1) 71– 76
Caines, P.E. and **M. Baykal-Gürsoy,** Corrigendum to "On the L^∞ consistency of L^2 estimators" (12) (1989) (4) 381
Campi, M., see S. Bittanti (14) (1990) (2) 131–137
Campi, M., see S. Bittanti (17) (1991) (1) 3– 8
Campion, G. and **G. Bastin,** Analysis of an adaptive controller for manipulators: Robustness versus flexibility (12) (1989) (3) 251–258
Cannarsa, P., G. Da Prato and **J.-P. Zolésio,** Dynamical shape control of the heat equation (12) (1989) (2) 103–109
Cao, Li and **Yu-Fan Zheng,** On minimal compensators for decoupling control (18) (1992) (2) 121–128
Carroll, J.C., see D.M. Dawson (18) (1992) (3) 217–222
Castillo, B., S.D. Gennaro, S. Monaco and **D. Normand-Cyrot,** Nonlinear regulation for a class of discrete-time systems (20) (1993) (1) 57– 65
Cavazos-Cadena, R., A counterexample on the optimality equation in Markov decision chains with the average cost criterion (16) (1991) (5) 387–392
Cavazos-Cadena, R. and **J.B. Lasserre,** Strong 1-optimal stationary policies in denumerable Markov decision processes (11) (1988) (1) 65– 71
Cebuhar, W.A., see R.W. Brockett (17) (1991) (5) 375–381
Čelikovský, S., On the global linearization of bilinear systems (15) (1992) (5) 433–439
Čelikovský, S., On the global linearization of nonhomogeneous bilinear systems (18) (1992) (5) 397–402
Chan, C.Y., Servo-systems with discrete-variable structure control (17) (1991) (4) 321–325
Chang, F.R. and **H.C. Chen,** The generalized Cayley–Hamilton theorem for standard pencils (18) (1992) (3) 179–182
Chang, Fan Ren, see Chun Hsiung Fang (14) (1990) (3) 261–265
Chang, Fan-Ren, see Jing-Sin Liu (19) (1992) (1) 61– 69
Chang, Junhua, Robust finite settling time stabilization of discrete time system with structured uncertainty (16) (1991) (1) 49– 58
Chang-Jin Li, Coordinated motion control of multi-arm robot systems with optimal load distribution (15) (1990) (3) 237–245
Chang, Wen-Jer and **Hung-Yuan Chung,** Upper bound covariance control of discrete perturbed systems (19) (1992) (6) 493–498
Charlet, B., J. Lévine and **R. Marino,** On dynamic feedback linearization (13) (1989) (2) 143–151
Chen, E. and **S. Lafortune,** On nonconflicting languages that arise in supervisory control of discrete event systems (17) (1991) (2) 105–113

Chen, F.-C., see H.K. Khalil (19) (1992) (1) 35– 42
Chen, Guanrong, A note on the coprime fractional representation of nonlinear feedback systems (14) (1990) (1) 41– 43
Chen, Guanrong, On the information-based complexity of optimal reconstruction for nonlinear systems (14) (1990) (2) 161–167
Chen, G. and **R.J.P. de Figueiredo**, On robust stabilization of nonlinear control systems (12) (1989) (4) 373–379
Chen, Guanrong and **R.J.P. de Figueiredo**, Construction of the left coprime fractional representation for a class of nonlinear control systems (14) (1990) (4) 353–361
Chen, H.C., see F.R. Chang (18) (1992) (3) 179–182
Chen, Han-Fu and **Ji-Feng Zhang**, Adaptive stabilization of unstable and nonminimum-phase stochastic systems (20) (1993) (1) 27– 38
Chen, Han-Fu, P.R. Kumar and **J.H. van Schuppen**, On Kalman filtering for conditionally Gaussian systems with random matrices (13) (1989) (5) 397–404
Chen, H.F., see L. Guo (11) (1988) (5) 351–356
Chen, J. and **C.N. Nett**, Bounds on generalized structured singular values via the Perron root of matrix majorants (19) (1992) (6) 439–449
Chen, L.W., see M.C. Tsai (20) (1993) (3) 209–217
Chen, T., A simple derivation of the $\mathscr{H}_2$-optimal sampled-data controllers (20) (1993) (1) 49– 56
Chen, T. and **B. Francis**, On the $\mathscr{L}_2$-induced norm of a sampled-data system (15) (1990) (3) 211–219
Cheng, D. and **T.J. Tarn**, New results on (f, g)-invariance (12) (1989) (4) 319–326
Cheng, Mian, see Yinming Jia (19) (1992) (2) 111–117
Cherkaoui, S., see M.E. Achhab (13) (1988) (1) 73– 79
Chiang, H.-D., see I. Dobson (13) (1989) (3) 253–262
Chisci, L. and **G. Zappa**, Square-root Kalman filtering of descriptor systems (19) (1992) (4) 325–334
Chou, J.-H., Stability robustness of linear state space models with structured perturbations (15) (1990) (3) 207–210
Chou, Jyh-Horng, Pole-assignment robustness in a specified disk (16) (1991) (1) 41– 44
Chou, J.-H., Stabilization of linear discrete-time systems with actuator saturation (17) (1991) (2) 141–144
Chou, Yung-Shan, see Jing-Sin Liu (19) (1992) (1) 61– 69
Chung, Hung-Yuan and **Wen-Jer Chang**, Covariance control with variance constraints for continuous perturbed stochastic systems (19) (1992) (5) 413–417
Chung, Hung-Yuan, see Wen-Jer Chang (19) (1992) (6) 493–498
Ciccarella, G., M.D. Mora and **A. Germani**, Observers for discrete-time nonlinear systems (20) (1993) (5) 373–382
Clements, D.J., Rational spectral factorization using state-space methods (20) (1993) (5) 335–343
Cluett, W.R., Some comments on the use of normalization in robust adaptive control (11) (1988) (2) 135–138
Cohen de Lara, M. and **J. Lévine**, Deterministic feedback linearization, Girsanov transformations and finite-dimensional filters (13) (1989) (1) 81– 92
Colaneri, P., Zero-error regulation of discrete-time linear periodic systems (15) (1990) (2) 161–167
Colaneri, P., see S. Bittanti (14) (1990) (1) 71– 78
Collado, J.M. and **I.R. Peterson**, Correction to "A stabilization algorithm for a class of uncertain linear systems" (11) (1988) (1) 83
Conte, G., A.M. Perdon and **G. Marro**, Computing the maximum robust controlled invariant subspace (17) (1991) (2) 131–135
Coron, J.-M., A necessary condition for feedback stabilization (14) (1990) (3) 227–232
Coron, J.-M. and **L. Praly**, Adding an integrator for the stabilization problem (17) (1991) (2) 89–104
Costa, O.L.V. and **C.S. Kubrusly**, Lyapunov equation for infinite-dimensional discrete bilinear systems (17) (1991) (1) 71– 77
Costa, O.L.V., see C.S. Kubrusly (19) (1992) (3) 205–211
Costa, R.R. and **L. Hsu**, Unmodeled dynamics in adaptive control systems revisited (16) (1991) (5) 341–348
Cristi, R. and **A. Feuer**, Stability of an over-parametrized model (13) (1989) (2) 171–175
Crouch, P.E., see F. Lamnabhi-Lagarrigue (11) (1988) (1) 1– 7
Cuer, M. and **J.-P. Zolésio**, Control of singular problem via differentiation of a Min–Max (11) (1988) (2) 151–158
Curtain, R.F., Equivalence of input-output stability and exponential stability (12) (1989) (3) 235–239
Curtain, R.F., The strict bounded real lemma in infinite dimensions (20) (1993) (2) 113–116
Curtain, R.F. and **H. Logemann**, Algebraic properties of systems of nuclear type (13) (1989) (4) 291–297
Curtain, R.F. and **L. Rodman**, Comparison theorems for infinite-dimensional Riccati equations (15) (1990) (2) 153–159
Curtain, R.F. and **H.J. Zwart**, A note on spectral realisations for delay systems (11) (1988) (4) 265–269

Da Prato, G. and **J.-P. Zolésio**, An optimal control problem for a parabolic equation in non-cylindrical domains (11) (1988) (1) 73– 77
Da Prato, G., see P. Cannarsa (12) (1989) (2) 103–109
Dahleh, M., Sufficient information for the adaptive stabilization of delay systems (11) (1988) (5) 357–363
Dahleh, M., Generalization of Tychonov's Theorem with applications to adaptive control of SISO delay systems (13) (1989) (5) 421–427
Dahleh, M. and **Y. Ohta**, A necessary and sufficient condition for robust BIBO stability (11) (1988) (4) 271–275
Dahleh, M.A. and **J.S. Shamma**, Rejection of persistent bounded disturbances: Nonlinear controllers (18) (1992) (4) 245–252

Dahleh, M., **A. Tesi** and **A. Vicino**, Robust stability and performance of interval plants (19) (1992) (5) 353–363
Dahleh, M.A., **T.V. Theodosopoulos** and **J.N. Tsitsiklis**, The sample complexity of worst-case identification of FIR linear systems (20) (1993) (3) 157–166
Dahleh, M.A., see I.J. Diaz-Bobillo (19) (1992) (2) 87– 93
Dahleh, M.A., see A.A. Rodriguez (19) (1992) (6) 429–438
Dasgupta, S., Kharitonov's theorem revisited (11) (1988) (5) 381–384
Dasgupta, S., see B.D.O. Anderson (18) (1992) (3) 237–244
Dasgupta, S., see Bai, Er-Wei (14) (1990) (4) 363–368
David, J., see B. De Moor (18) (1992) (5) 329–337
Davidson, T.N., see D. Mustafa (20) (1993) (6) 397–400
Davison, E.J., see L. Qui (13) (1989) (5) 413–420
Davison, E.J., see L. Qiu (18) (1992) (1) 9– 22
Dawson, D.M., **Z. Qu** and **J.C. Carroll**, On the state observation and output feedback problems for nonlinear uncertain dynamic systems (18) (1992) (3) 217–222
Dawson, D.M., see Zhihua Qu (16) (1991) (1) 25– 32
Dayawansa, W.P. and **C.F. Martin**, Asymptotic stabilization of two dimensional real analytic systems (12) (1989) (3) 205–211
Dayawansa, W.P. and **C.F. Martin**, A remark on a theorem of Andreini, Bacciotti and Stefani (13) (1989) (4) 363–364
Dayawansa, W.P., see S. Battilotti (17) (1991) (5) 327–338
De Figueiredo, R.J.P., see Guanrong Chen (14) (1990) (4) 353–361
De Moor, B. and **J. David**, Total linear least squares and the algebraic Riccati equation (18) (1992) (5) 329–337
De Moor, B., see M. Moonen (19) (1992) (1) 47– 52
De Nicolao, G., On a fallacious conjecture about the stabilizability properties of solutions of the Riccati difference equation (14) (1990) (5) 409–410
De Nicolao, G., see S. Bittanti (14) (1990) (1) 71– 78
de Souza, C.E. and **M.D. Fragoso**, On the existence of maximal solution for generalized algebraic Riccati equations arising in stochastic control (14) (1990) (3) 233–239
de Souza, C.E. and **Lihua Xie**, On the Discrete-time Bounded Real Lemma with application in the characterization of static state feedback H_∞ controllers (18) (1992) (1) 61– 71
de Souza, C.E., **L. Xie** and **Y. Wang**, H_∞ filtering for a class of uncertain nonlinear systems (20) (1993) (6) 419–426
de Souza, C.E. see Lihua Xie (13) (1989) (4) 315–319
de Souza, C.E., see L. Xie (14) (1990) (5) 389–396
de Souza, C.E., see L. Xie (17) (1991) (5) 343–350
de Zeeuw, A., see F. van der Ploeg (17) (1991) (6) 409–414
Delchamps, D.F., Extracting state information from a quantized output record (13) (1989) (5) 365–372
Deniau, C., see M. Boutahar (19) (1992) (2) 157–163
Descusse, J., The block essential orders and the dynamic block decoupling problem (14) (1990) (2) 153–159
Deza, F., **E. Busvelle, J.P. Gauthier** and **D. Rakotopara**, High gain estimation for nonlinear systems (18) (1992) (4) 295–299
Diaz-Bobillo, I.J. and **M.A. Dahleh**, State feedback ℓ_1-optimal controllers can be dynamic (19) (1992) (2) 87– 93
Ding, X. and **P.M. Frank**, Fault detection via factorization approach (14) (1990) (5) 431–436
Ding, Xianchun, P.M. Frank and **Limin Guo**, Nonlinear observer design via an extended observer canonical form (15) (1990) (4) 313–322
Djaferis, T.E., To stabilize a k real parameter affine family of plants it suffices to simultaneously stabilize 4^k polynomials (16) (1991) (3) 187–193
Djaferis, T.E., Representations of controllers that achieve robust performance for systems with real parameter uncertainty (16) (1991) (5) 329–339
Djaferis, T.E. and **C.V. Hollot**, A Routh-like test for the stability of families of polynomials with linear uncertainty (13) (1989) (1) 23– 29
Do, V.N., A note on approximate controllability of semilinear systems (12) (1989) (4) 365–371
Dobson, I. and **H.-D. Chiang**, Towards a theory of voltage collapse in electric power systems (13) (1989) (3) 253–262
Dontchev, A.L. and **J.I. Slavov**, Lipschitz properties of the attainable set of singularly perturbed linear systems (11) (1988) (5) 385–391
Dorissen, H.T., Canonical forms for bilinear systems (13) (1989) (2) 153–160
Dorsey, J.F., see Zhihua Qu (16) (1991) (1) 25– 32
Doyle, J.C., **T.T. Georgiou** and **M.C. Smith**, The parallel projection operators of a nonlinear feedback system (20) (1993) (2) 79– 85
Doyle, J.C., see K. Glover (11) (1988) (3) 167–172
Drăgan, V., Asymptotic expansions for game-theoretic Riccati equations and stabilization with disturbance attenuation for singularly perturbed systems (20) (1993) (6) 455–463

El Bouhtouri, A. and **A.J. Pritchard**, Stability radii of linear systems with respect to stochastic perturbations (19) (1992) (1) 29– 33
Elabdalla, A.M. and **M.H. Amin**, Minimum-gain minimum-time deadbeat controllers (11) (1988) (3) 213–219

Elliott, R.J., Filtering with a small non-linear term in the signal (15) (1990) (1) 81– 90
Elliott, R.J. and **M. Kohlmann**, The variational principle for optimal control of diffusions with partial information (12) (1989) (1) 63– 69
Elliott, R.J., see L. Aggoun (19) (1992) (5) 335–340
Elsner, L. and **C. He**, An algorithm for computing the distance to uncontrollability (17) (1991) (6) 453–464
Emami-Naeini, A., see N.M. Khraishi (15) (1990) (2) 105–109
Eslami, M., Robust nonlinear dynamic systems – The old question with a new answer (14) (1990) (5) 445–451

Fa, Jinghuai, Xiaojun Yang and **Yingping Zheng**, Formulas for a class of controllable and observable sublanguages larger than the supremal controllable and normal sublanguage (20) (1993) (1) 11– 18
Fagnani, F., An operator-theoretic approach to the mixed-sensitivity minimization problem (17) (1991) (3) 227–235
Fagnani, F., Controllability and observability indices for linear time-invariant systems: A new approach (17) (1991) (4) 243–250
Fakhfakh, J., see J. Bentsman (12) (1989) (3) 267–272
Fan, M.K.H. and **J.H. Fu**, On block limiting norm and structured singular value (12) (1989) (1) 45– 51
Fan, M.K.H. and **A.L. Tits**, A measure of worst-case H^{∞} performance and of largest acceptable uncertainty (18) (1992) (6) 409–421
Fan, M.K.H., see E.R. Panier (12) (1989) (4) 291–299
Fang, Chun Hsiung, Determination of doubly coprime matrix fraction descriptions and corresponding Bezout identity solutions for a regular state-space system (16) (1991) (1) 45– 48
Fang, Chun Hsiung and **Fun Ren Chang**, A connection between state-space and doubly coprime matrix-fraction descriptions of multivariable systems (14) (1990) (3) 261–265
Faybusovich, L.E., see R.W. Brockett (16) (1991) (2) 79– 88
Feintuch, A., The gap metric for time-varying systems (16) (1991) (4) 277–279
Feng, G. and **M. Palaniswami**, Continuous time indirect adaptive control with disturbance rejection (18) (1992) (3) 211–215
Feng, G., M. Palaniswami and **Y. Zhu**, Stability of rate constrained robust pole placement adaptive control systems (18) (1992) (2) 99–107
Feng, G., C. Zhang and **M. Palaniswami**, Stability analysis of input constrained continuous time indirect adaptive control (17) (1991) (3) 209–215
Feng, W., Characterization and computation for the bound ε^* in linear time-invariant singularly perturbed systems (11) (1988) (3) 195–202
Ferguson, M., see A. Jalali (14) (1990) (3) 209–218
Fernández-Gaucherand, E., A. Arapostathis and **S.I. Marcus**, Remarks on the existence of solutions to the average cost optimality equation in Markov decision process (15) (1990) (5) 425–432
Ferrante, M. and **W.J. Runggaldier**, On necessary conditions for the existence of finite-dimensional filters in discrete time (14) (1990) (1) 63– 69
Ferreira, P.M.G., DDP and model following problem revisited (12) (1989) (2) 129–132
Feuer, A., see R. Cristi (13) (1989) (2) 171–175
Feuer, A., see G.C. Goodwin (19) (1992) (5) 379–390
Figueiredo, R.J.P. de, see G. Chen (12) (1989) (4) 373–379
Fisher, D.G., see W. Lu (12) (1989) (2) 133–138
Flamm, D.S., A new shift-invariant representation for periodic linear systems (17) (1991) (1) 9– 14
Fliegner, T., see J. Steigenberger (19) (1992) (3) 249–254
Fliess, M., Some basic structural properties of generalized linear systems (15) (1990) (5) 391–396
Fliess, M., A remark on Willems' trajectory characterization of linear controllability (19) (1992) (1) 43– 45
Florchinger, P., Existence of a smooth density for the filter in nonlinear filtering with infinite dimensional noise (16) (1991) (2) 131–137
Foias, C. and **A. Tannenbaum**, Some remarks on optimal interpolation (11) (1988) (4) 259–264
Fong, I-Kong, see J.-S. Heh (20) (1993) (4) 289–297
Fong, I-Kong, see Jinn-Fwu Wu (16) (1991) (6) 457–463
Foo, Y.K. and **Y.C. Soh**, Root clustering of interval polynomials in the left-sector (13) (1989) (3) 239–245
Foo, Y.K., see Y.C. Soh (12) (1989) (3) 219–224
Foo, Y.K., see Y.C. Soh (12) (1989) (5) 415–419
Foo, Y.K., see Y.C. Soh (15) (1990) (1) 41– 43
Fornasini, E. and **S. Zampieri**, A note on the state space realization of 2D FIR transfer functions (16) (1991) (2) 117–122
Fortuna, L., A. Gallo, G. Guglielmino and **G. Nunnari**, On the solution of a nonlinear matrix equation for MIMO symmetric realizations (11) (1988) (1) 79– 82
Fragoso, M.D., see C.E. de Souza (14) (1990) (3) 233–239
Fragoso, M.D., see E.M. Hemerly (14) (1990) (1) 79– 92
Fragoso, M.D., see L. Xie (17) (1991) (5) 343–350
Francis, B.A., see B. Bamieh (17) (1992) (2) 79– 88
Francis, B., see T. Chen (15) (1990) (3) 211–219
Frank, P.M., see X. Ding (14) (1990) (5) 431–436

Frank, P.M., see Xianchun Ding (15) (1990) (4) 313–322
Frankowska, H., On controllability and observability of implicit systems (14) (1990) (3) 219–225
Frankowska, H. and **B. Kaśkosz**, A maximum principle for differential inclusion problems with state constraints (11) (1988) (3) 189–194
Frater, M.R., R.A. Kennedy and **B.D.O. Anderson**, Reverse time modeling, optimal control and large deviations (12) (1989) (4) 351–356
Frazho, A.E., see D.K. Le (16) (1991) (1) 9–15
Frazho, A.E., see M.A. Rotea (19) (1992) (5) 341–352
Friedlander, B., see P. Stoica (11) (1988) (2) 99–105
Fu, J.H., see M.K.H. Fan (12) (1989) (1) 45–51
Fu, Li-Chen, see Teh-Lu Liao (15) (1990) (4) 339–348
Fu, Li-Chen, see Teh-Lu Liao (18) (1992) (1) 39–47
Fu, M., Computing the frequency response of linear systems with parametric perturbation (15) (1990) (1) 45–52
Fu, M., Interpolation approach to H^∞ estimation and its interconnection to loop transfer recovery (17) (1991) (1) 29–36
Fu, M. and **B.R. Barmish**, Maximal unidirectional perturbation bounds for stability of polynomials and matrices (11) (1988) (3) 173–179
Fujita, M., see K. Uchida (13) (1989) (1) 9–13
Furuta, K., Sliding mode control of a discrete system (14) (1990) (2) 145–152
Furuta, K. and **M. Wongsaisuwan**, Closed-form solutions to discrete-time LQ optimal control and disturbance attenuation (20) (1993) (6) 427–437
Furuta, K., see J.B.D. Cabrera (12) (1989) (5) 421–429

Gaitsgory, V., see E. Altman (20) (1993) (4) 307–314
Gallo, A., see L. Fortuna (11) (1988) (1) 79–82
Gamkrelidze, R.V., see A.A. Agrachev (20) (1993) (1) 67–76
Gao, Wei-bing, see Xiao-hua Xia (11) (1988) (4) 319–325
Gao, Weibing, see Yinming Jia (19) (1992) (2) 111–117
Gardner, R.B. and **W.F. Shadwick**, Feedback equivalence for general control systems (15) (1990) (1) 15–23
Gardner, R.B. and **W.F. Shadwick**, Symmetry and the implementation of feedback linearization (15) (1990) (1) 25–33
Garg, V., see R.D. Brandt (15) (1990) (2) 111–117
Garg, V., see R. Kumar (17) (1991) (3) 157–168
Gątarek, D., Ergodic impulsive control of Feller processes with costly information (15) (1990) (3) 247–257
Gauthier, J.P., see F. Deza (18) (1992) (4) 295–299
Gauthier, J.P., see H. Hammouri (11) (1988) (2) 139–149
Geerts, T., A necessary and sufficient condition for solvability of the linear-quadratic control problem without stability (11) (1988) (1) 47–51
Genesio, R. and **A. Tesi**, Results on the stability robustness of systems with state space perturbations (11) (1988) (1) 39–46
Gennaro, S.D., see B. Castillo (20) (1993) (1) 57–65
Georgiou, C. and **N.J. Krikelis**, A design approach for constrained regulation in discrete singular systems (17) (1991) (4) 297–304
Georgiou, T.T., On the computation of the gap metric (11) (1988) (4) 253–257
Georgiou, T.T. and **M.C. Smith**, w-Stability of feedback systems (13) (1989) (4) 271–277
Georgiou, T.T., see J.C. Doyle (20) (1993) (2) 79–85
Gerencsér, L., Closed loop parameter identifiability and adaptive control of a linear stochastic system (15) (1990) (5) 411–416
Gerencsér, L., On the martingale approximation of the estimation error of ARMA parameters (15) (1990) (5) 417–423
Germani, A., see G. Ciccarella (20) (1993) (5) 373–382
Geromel, J.C., P.L.D. Peres and **S.R. Souza**, $\mathscr{H}_2$ guaranteed cost control for uncertain continuous-time linear systems (19) (1992) (1) 23–27
Geromel, J.C., see J. Bernussou (13) (1989) (1) 65–72
Geromel, J.C., see P.L.D. Peres (20) (1993) (6) 413–418
Gessing, R., State estimation for linear systems with observations partially corrupted by noise (18) (1992) (2) 139–145
Ghezzi, L.L., Bifurcations in a stock market model (19) (1992) (5) 371–378
Ghosh, M.K. and **S.I. Marcus**, A note on controlled diffusion with long finite horizon (16) (1991) (5) 379–385
Gibbard, M.J., see M.W. Rogozinski (11) (1988) (5) 341–349
Glover, K. and **J.C. Doyle**, State-space formulae for all stabilizing controllers that satisfy an H_∞-norm bound and relations to risk sensitivity (11) (1988) (3) 167–172
Glover, K., see P.A. Iglesias (14) (1990) (4) 275–286
Glover, K., see J.R. Partington (14) (1990) (4) 325–331
Glover, K., see J. Sefton (14) (1990) (4) 295–306
Gohberg, I., M.A. Kaashoek and **L. Lerer**, A directional partial realization problem (17) (1991) (4) 305–314
Gohberg, I., see J.A. Ball (20) (1993) (6) 401–411

Golaszewski, C. and **P.J. Ramadge,** The complexity of some reachability problems for a system on a finite group (12) (1989) (5) 431–435
Golden, M.P. and **B.E. Ydstie,** Bifurcation in model reference adaptive control systems (11) (1988) (5) 413–430
Golub, G., B. Kågström and **P. Van Dooren,** Direct block tridiagonalization of single-input single-output systems (18) (1992) (2) 109–120
Golub, G., see D. Boley (16) (1991) (2) 97–105
Goodwin, G.C. and **A. Feuer,** Linear periodic control: A frequency domain viewpoint (19) (1992) (5) 379–390
Goodwin, G.C. and **R.H. Middleton,** The class of all stable unbiased state estimators (13) (1989) (2) 161–163
Goodwin, G.C., see D.J. Hill (11) (1988) (4) 277–284
Gorez, R., see Kuanyi Zhu (15) (1990) (2) 169–173
Grasselli, O.M. and **S. Longhi,** Robust output regulation under uncertainties of physical parameters (16) (1991) (1) 33–40
Green, M., On inner–outer factorization (11) (1988) (2) 93–97
Gu, G., P.P. Khargonekar and **Y. Li,** Robust convergence of two-stage nonlinear algorithms for identification in $\mathscr{H}_\infty$ (18) (1992) (4) 253–263
Gu, G., D. Xiong and **K. Zhou,** Identification in $\mathscr{H}_\infty$ using Pick's interpolation (20) (1993) (4) 263–272
Guglielmino, G., see L. Fortuna (11) (1988) (1) 79–82
Guidorzi, R.P., Certain models from uncertain data: The algebraic case (17) (1991) (6) 415–424
Guo, L. and **H.F. Chen,** A method for adaptive estimation of ARMA processes (11) (1988) (5) 351–356
Guo, Limin, see Xianchun Ding (15) (1990) (4) 313–322
Gusev, S.V., Linear stabilization of nonlinear systems program motion (11) (1988) (5) 409–412

Haddad, W.M. and **D.S. Bernstein,** On the gap between H_2 and entropy performance measures in H_∞ control design (14) (1990) (2) 113–120
Haddad, W.M. and **D.S. Bernstein,** Generalized Riccati equations for the full and reduced-order mixed-norm H_2/H_∞ standard problem (14) (1990) (3) 185–197
Haddad, W.M. and **D.S. Bernstein,** Robust stabilization with positive real uncertainty: Beyond the small gain theorem (17) (1991) (3) 191–208
Haddad, W.M., D.S. Bernstein and **D. Mustafa,** Mixed-norm H_2/H_∞ regulation and estimation: The discrete-time case (16) (1991) (4) 235–247
Haddad, W.M. and **G. Tadmor,** Reduced order LQG controllers for linear time varying plants (20) (1993) (2) 87–97
Haddad, W.M., see D.S. Bernstein (12) (1989) (1) 9–16
Haddad, W.M., see D.S. Bernstein (12) (1989) (4) 309–318
Haddad, W.M., see A.N. Madiwale (12) (1989) (5) 383–391
Hajek, B. and **G. Sasaki,** Simulated annealing – to cool or not (12) (1989) (5) 443–447
Halanay, A., Almost periodic all-pass filters (14) (1990) (3) 249–251
Halanay, A. and **V. Ionescu,** Generalized discrete-time Popov–Yakubovich theory (20) (1993) (1) 1–6
Halanay, A. and **V. Răsvan,** Addendum to a theorem of Yakubovich (14) (1990) (2) 177–181
Hammarling, S., Numerical solution of the discrete-time, convergent, non-negative definite Lyapunov equation (17) (1991) (2) 137–139
Hammer, J., Preservation of stability under system perturbations in nonlinear control: A simple characterization (16) (1991) (6) 435–445
Hammouri, H. and **J.P. Gauthier,** Bilinearization up to output injection (11) (1988) (2) 139–149
Hansen, S. and **G. Weiss,** The operator Carleson measure criterion for admissibility of control operators for diagonal semigroups on l^2 (16) (1991) (3) 219–227
Hanzon, B., On the differentiable manifold of fixed order stable linear systems (13) (1989) (4) 345–352
Hara, S. and **T. Sugie,** Inner–outer factorization for strictly proper functions with $j\omega$-axis zeros (16) (1991) (3) 179–185
Hara, S. and **H.-K. Sung,** Sensitivity improvement by a stable controller in SISO digital control systems (12) (1989) (2) 123–128
Hara, S., see R. Kondo (13) (1989) (3) 205–210
Hara, S., see T. Sugie (13) (1988) (2) 93–99
Hartl, R.F., On the properness of one-dimensional periodic control problems (20) (1993) (5) 393–395
Hauser, J., Nonlinear control via uniform system approximation (17) (1991) (2) 145–154
Hauser, J., see S. Sastry (13) (1989) (4) 299–314
Hautus, M.L.J., see S.Q. Zhu (11) (1988) (1) 53–59
He, C., see L. Elsner (17) (1991) (6) 453–464
Heh, J.-S. and **I-Kong Fong,** Pi-coefficient analysis of update algorithms for adaptive systems (20) (1993) (4) 289–297
Heh, Jia-Sheng, see Jinn-Fwu Wu (16) (1991) (6) 457–463
Helmke, U., A global parametrization of asymptotically stable linear systems (13) (1989) (5) 383–389
Helmke, U., Isospectral flows on symmetric matrices and the Riccati equation (16) (1991) (3) 159–165
Helmke, U. and **M.A. Shayman,** A canonical form for controllable singular systems (12) (1989) (2) 111–122
Helmke, U., see J.E. Perkins (14) (1990) (5) 369–379

Hemerly, E.M. and **M.D. Fragoso,** Will the PLS criterion for order estimation work with AML and a *posteriori* prediction error? (14) (1990) (1) 79–92
Hermes, H., Asymptotic stabilization of planar systems (17) (1991) (6) 437–443
Hernández-Lerma, O., Average optimality in dynamic programming on Borel spaces – Unbounded costs and controls (17) (1991) (3) 237–242
Hernández-Lerma, O. and **J.B. Lasserre,** Average cost optimal policies for Markov control processes with Borel state space and unbounded costs (15) (1990) (4) 349–356
Herrera A., see R. Ortega (20) (1993) (4) 299–306
Herrera H., A.N., see V. Kučera (16) (1991) (4) 273–276
Hicks, A.C. and **S. Townley,** On exact solutions of differential equations arising in universal adaptive stabilization (20) (1993) (2) 117–129
Hill, D.J., C. Wen and **G.C. Goodwin,** Stability analysis of decentralised robust adaptive control (11) (1988) (4) 277–284
Hinrichsen, D. and **A.J. Pritchard,** A note on some differences between real and complex stability radii (14) (1990) (5) 401–408
Hmamed, A., see A. Belhouari (18) (1992) (3) 183–189
Hmamed, A., see M. Mrabti (18) (1992) (1) 73–81
Hollot, C.V. and **F. Yang,** Robust stabilization of interval plants using lead or lag compensators (14) (1990) (1) 9–12
Hollot, C.V., see D.S. Bernstein (13) (1989) (3) 217–226
Hollot, C.V., see T.E. Djaferis (13) (1989) (1) 23–29
Hordijk, A. and **F. Spieksma,** Are limits of α-discounted optimal policies Blackwell-optimal? A counter example (13) (1989) (1) 31–41
Horiguchi, K., T. Nishimura and **A. Nagata,** A minimal lattice realization for multivariable systems (15) (1990) (5) 397–403
Hosoe, S. and **F. Zhang,** An elementary state space approach to RH^{∞} optimal control (11) (1988) (5) 369–380
Hsiao, F.-H. and **J.-G. Hsieh,** Robust LQG optimal controller synthesis against noise spectral uncertainties and nonlinear time-varying unmodeled dynamics (16) (1991) (3) 167–178
Hsieh, J.-G., see F.-H. Hsiao (16) (1991) (3) 167–178
Hsu, Chen-Fa, see Teh-Lu Liao (15) (1990) (4) 339–348
Hsu, Chen-Fa, see Teh-Lu Liao (18) (1989) (1) 39–47
Hsu, L., see R.R. Costa (16) (1991) (5) 341–348
Hsu, Y.-T., Y.-T. Juang and **T.-P. Tsai,** Lead–lag compensator design by the Hough transform (20) (1993) (5) 365–372
Hu, X., On state observers for nonlinear systems (17) (1991) (6) 465–473
Huijberts, H.J.C., H. Nijmeijer and **L.L.M. van der Wegen,** Minimality of dynamic input–output decoupling for nonlinear systems (18) (1992) (6) 435–443
Hunt, L.R. and **R. Villarreal,** Canonical coordinates for partial differential equations (11) (1988) (2) 159–165
Hwang, T.-S., see F.-B. Yeh (11) (1988) (3) 203–211

Iglesias, P.A., D. Mustafa and **K. Glover,** Discrete time H_{∞} controllers satisfying a minimum entropy criterion (14) (1990) (4) 275–286
Ilchmann, A. and **H. Logemann,** High-gain adaptive stabilization of multivariable linear systems – revisited (18) (1992) (5) 355–364
Ilchmann, A. and **D.H. Owens,** Adaptive stabilization with exponential decay (14) (1990) (5) 437–443
Ilchmann, A. and **S. Townley,** Simple adaptive stabilization of high-gain stabilizable systems (20) (1993) (3) 189–198
Ionescu, V. and **M. Weiss,** The l^2-control problem for time-varying discrete systems (18) (1992) (5) 371–381
Ionescu, V., see A. Halanay (20) (1993) (1) 1–6
Ishihara, T., Sensitivity properties of a class of discrete-time LQG controllers with computation delays (11) (1988) (4) 299–307
Isidori, A., see C.I. Byrnes (11) (1988) (1) 9–17
Isidori, A., see C.I. Byrnes (12) (1989) (5) 437–442
Isidori, A., see W. Zhan (17) (1991) (3) 177–184

Jacobson, C.A., C.N. Nett and **J.R. Partington,** Worst case system identification in ℓ_1: Optimal algorithms and error bounds (19) (1992) (6) 419–424
Jakubczyk, B., see A. Arapostathis (13) (1989) (5) 373–381
Jalali, A. and **M. Ferguson,** Adaptive control of Markov chains with local updates (14) (1990) (3) 209–218
Janecki, D., Stability analysis of Elliott's direct adaptive pole placement (11) (1988) (1) 19–26
Jia, Yinming, Weibing Gao and **Mian Cheng,** Robust strict positive real stabilization criteria for SISO uncertain systems (19) (1992) (2) 111–117
Jódar, L., A formula for the general solution of Riccati type matrix differential equations (12) (1989) (1) 39–43
Johnson, K.K., see I.W. Sandberg (18) (1992) (5) 391–395
Jonckheere, E.A., see R.S. Bucy (13) (1989) (4) 339–344
Jonckheere, E.A., see C. Kenney (13) (1989) (2) 109–116
Juang, Y.-T., see Y.-T. Hsu (20) (1993) (5) 365–372
Juri, E.I., see A. Katbab (14) (1990) (5) 419–430

Kaashoek, M.A., see I. Gohberg (17) (1991) (4) 305–314
Kabziński, J., Eigenvalue–eigenvector sensitivity formulae for linear descriptor systems (15) (1990) (3) 227–235
Kågström, B., see G. Golub (18) (1992) (2) 109–120
Kaku, Y., H. Mikami and **T. Mita**, Design of stabilized digital inverse systems (11) (1988) (2) 123–127
Kanellakopoulos, I., P.V. Kokotovic and **A.S. Morse**, A toolkit for nonlinear feedback design (18) (1992) (2) 83– 92
Kanellakopoulos, I., see M. Krstić (19) (1992) (3) 177–185
Karcanias, N., see J. Leventides (18) (1992) (3) 191–199
Kasenally, E.M. and **D.J.N. Limebeer**, Closed formulae for a parametric mixed sensitivity problem (12) (1989) (1) 1– 7
Kaškosz, B. and **S. Łojasiewicz Jr.**, The maximum principle without the adjoint equation (12) (1989) (5) 455–459
Kaškosz, B. and **S. Łojasiewicz Jr.**, Lagrange-type extremal trajectories in differential inclusions (19) (1992) (3) 241–247
Kaškosz, B., see H. Frankowska (11) (1988) (3) 189–194
Katbab, A. and **E.I. Juri**, On the stability of a general polynomial in the space of Markov parameters (14) (1990) (5) 419–430
Kautsky, J. and **N.K. Nichols**, Robust pole assignment in systems subject to structured perturbations (15) (1990) (5) 373–380
Kavranoğlu, D. and **M. Bettayeb**, Characterization of the solution to the optimal H_∞ model reduction problem (20) (1993) (2) 99–107
Kawski, M., Stabilization of nonlinear systems in the plane (12) (1989) (2) 169–175
Kawski, M., The complexity of deciding controllability (15) (1990) (1) 9– 14
Kennedy, R.A., see M.R. Frater (12) (1989) (4) 351–356
Kenney, C.S. and **A.J. Laub**, Response to comments on "A stability-enhancing scaling procedure for Schur–Riccati solvers" (14) (1990) (5) 455
Kenny, C.S., A.J. Laub and **E.A. Jonckheere**, Positive and negative solutions of dual Ricatti equations by matrix sign function iteration (13) (1989) (2) 109–116
Kenney, C.S., A.J. Laub and **M. Wette**, A stability-enhancing scaling procedure for Schur–Riccati solvers (12) (1989) (3) 241–250
Kern, G. and **K.M. Przyluski**, On pertubations of linear controllable infinite-dimensional time-varying discrete-time systems (15) (1990) (1) 61– 66
Keulen, B. van, Hankeo operators for non-exponentially stabilizable infinite dimensional systems (15) (1990) (3) 221–226
Khalifa, I., see A.F. Sakr (14) (1990) (2) 139–143
Khalil, H.K. and **F.-C. Chen**, H_∞ control of two-time-scale systems (19) (1992) (1) 35– 42
Khammash, M. and **J.B. Pearson**, Robust disturbance rejection in ℓ^1 optimal control systems (14) (1990) (2) 93–101
Khammash, M. and **J.B. Pearson**, Analysis and design for robust performance with structured uncertainty (20) (1993) (3) 179–187
Khapalov, A.Yu., Optimal measurement trajectories for distributed parameter systems (18) (1992) (6) 467–477
Khargonekar, P.P. and **N. Sivashankar**, $\mathcal{H}_2$ optimal control for sampled-data systems (17) (1991) (6) 425–436
Khargonekar, P.P., see B.R. Barmish (15) (1990) (2) 91– 98
Khargonekar, P.P., see G. Gu (18) (1992) (4) 253–263
Khargonekar, P.P., see R. Ravi (18) (1992) (6) 455–465
Khargonekar, P.P., see K.A. Ünyelioğlu (18) (1992) (1) 23– 31
Khargonekar, P.P., see K. Zhou (11) (1988) (2) 85– 91
Khraishi, N.M. and **A. Emami-Naeini**, A characterization of optimal scaling for structured singular value computation (15) (1990) (2) 105–109
Kim, Handol, see H.G. Kwatny (15) (1990) (1) 67– 80
Kimura, H., (J, J')-lossless factorization based on conjugation (19) (1992) (2) 95–109
Kimura, H., see T. Zhou (20) (1993) (3) 167–178
Kinnaert, M. and **Y. Peng**, Discrete-time LQG/LTR technique for systems with time delays (15) (1990) (4) 303–311
Kinnaert, M., see Y. Peng (16) (1991) (4) 267–272
Kocięcki, M., see A. Banaszuk (11) (1988) (4) 289–297
Kodama, S., see Y. Ohta (17) (1991) (4) 251–256
Kohlmann, M., see R.J. Elliott (12) (1989) (1) 63– 69
Kokame, H. and **T. Mori**, A Kharitonov-like theorem for interval polynomial matrices (16) (1991) (2) 107–116
Kokotović, P.V. and **H.J. Sussmann**, A positive real condition for global stabilization of nonlinear systems (13) (1989) (2) 125–133
Kokotovic, P.V., see I. Kanellakopoulos (18) (1992) (2) 83– 92
Kokotović, P.V., see M. Krstić (19) (1992) (3) 177–185
Kokotović, P.V., see S. Sastry (13) (1989) (4) 299–314
Kondo, R. and **S. Hara**, On cancellation in H_∞ optimal controllers (13) (1989) (3) 205–210
Koole, G., Optimal server assignment in the case of service times with monotone failure rates (20) (1993) (3) 233–238
Koumboulis, F.N., see P.N. Paraskevopoulos (18) (1992) (4) 309–321
Kowalski, A. and **D. Szynal**, A simple characterization of optimal predictors for L^1-ARMA processes (12) (1989) (3) 273–279
Krikelis, N.J., see C. Georgiou (17) (1991) (4) 297–304
Krikorian, R., Necessary conditions for a holomorphic dynamical system to admit the origin as a local matter (20) (1993) (4) 315–318
Krstić, M., I. Kanellakopoulos and **P.V. Kokotović**, Adaptive nonlinear control without overparametrization (19) (1991) (3) 177–185

Kubrusly, C.S., Strong stability does not imply similarity to a contraction (14) (1990) (5) 397–400
Kubrusly, C.S. and **O.L.V. Costa**, Mean-square stability for discrete bilinear systems in Hilbert space (19) (1992) (3) 205–211
Kubrusly, C.S., see O.L.V. Costa (17) (1991) (1) 71– 77
Kučera, V. and **A.N. Herrera H.**, Static realization of dynamic precompensators for descriptors systems (16) (1991) (4) 273–276
Kučera, V., see M. Malabre (15) (1990) (2) 99–104
Kumar, R., V. Garg and **S.I. Marcus**, On controllability and normality of discrete event dynamical systems (17) (1991) (3) 157–168
Kumar, R., see R.D. Brandt (15) (1990) (2) 111–117
Kumar, P.R., see Han-Fu Chen (13) (1989) (5) 397–404
Kung, Fan-Chu, see Chien-Hua Lee (19) (1992) (3) 213–219
Kwan, C.-M. and **K.S. Yeung**, Robust adaptive control of revolute flexible-joint manipulators using sliding technique (20) (1993) (4) 279–288
Kwatny, H.G. and **Handol Kim**, Variable structure regulation of partially linearizable dynamics (15) (1990) (1) 67– 80

Lafortune, S., see E. Chen (17) (1991) (2) 105–113
Lam, J. and **B.D.O. Anderson**, L_1 impulse response error bound for balanced truncation (18) (1992) (2) 129–137
Lamnabhi-Lagarrigue, F. and **P.E. Crouch**, A formula for iterated derivatives along trajectories of nonlinear systems (11) (1988) (1) 1– 7
Lanari, L. and **J.T. Wen**, Asymptotically stable set point control laws for flexible robots (19) (1992) (2) 119–129
Larin, V.B. and **F.A. Aliev**, Construction of square root factor for solution of the Lyapunov matrix equation (20) (1993) (2) 109–112
Larin, V.B., see F.A. Aliev (14) (1990) (5) 453
Larin, V.B., see F.A. Aliev (18) (1992) (1) 49– 59
Lasserre, J.B., see R. Cavazos-Cadena (11) (1988) (1) 65– 71
Lasserre, J.B., see O. Hernández-Lerma (15) (1990) (4) 357–360
Laub, A.J., see C.S. Kenney (12) (1989) (3) 241–250
Laub, A.J., see C.S. Kenney (13) (1989) (2) 109–116
Laub, A.J., see C.S. Kenney (14) (1990) (5) 455
Lawrence, D.A. and **W.J. Rugh**, Almost perfect tracking for linear systems (17) (1991) (4) 281–289
Lawrence, D.A. and **W.J. Rugh**, Correction to "Almost perfect tracking for linear systems" (18) (1992) (4) 323–324
Le, D.K. and **A.E. Frazho**, A numerical procedure for a non-rational H^∞ optimization problem in control design (16) (1991) (1) 9– 15
Lee, Chien-Hua, Tzuu-Hseng S. Li and **Fan-Chu Kung**, D-stability analysis for discrete systems with a time delay (19) (1992) (3) 213–219
Lee, H.-G., see A. Arapostathis (13) (1989) (5) 373–381
Lee, Jia-Ling, see Wen-June Wang (20) (1993) (1) 19– 25
Lee, Wonchang and **Kwanghee Nam**, Observer design for autonomous discrete-time nonlinear systems (17) (1991) (1) 49– 58
Lehman, R.B., see J. Bentsman (12) (1989) (3) 267–272
Lenz, K.E., Simple mixed sensitivity optimal controllers (17) (1991) (5) 363–373
Leondes, C.T., see J.A. Tekawy (19) (1992) (2) 131–137
Leonhardson, J., see A. Packard (19) (1992) (4) 271–280
Lerer, L., see I. Gohberg (17) (1991) (4) 305–314
Leventides, J. and **N. Karcanias**, A new sufficient condition for arbitrary pole placement by real constant output feedback (18) (1992) (3) 191–199
Levy, B.C., see A.H. Tewfik (14) (1990) (3) 253–259
Lévine, J., see M. Cohen de Lara (13) (1989) (1) 81– 92
Lévine, J., see B. Charlet (13) (1989) (2) 143–151
Li, Jen-Hsing, see Tzuu-Hseng S. Li (18) (1992) (6) 479–489
Li, Tzuu-Hseng S. and **Jen-Hsing Li**, Stabilization bound of discrete two-time-scale systems (18) (1992) (6) 479–489
Li, Tzuu-Hseng S., see Chien-Hua Lee (19) (1992) (3) 213–219
Li, W. and **J.-J.E. Slotine**, An indirect adaptive robot controller (12) (1989) (3) 259–266
Li, Y., see G. Gu (18) (1992) (4) 253–263
Liao, Teh-hu, Li-Chen Fu and **Chen-Fa Hsu**, Adaptive robust tracking of nonlinear systems and with an application to a robotic manipulator (15) (1990) (4) 339–348
Liao, Teh-Lu, Li-Chen Fu and **Chen-Fa Hsu**, Output tracking control of nonlinear systems with mismatched uncertainties (18) (1992) (1) 39– 47
Limebeer, D.J.N., see E.M. Kasenally (12) (1989) (1) 1– 7
Lin, Chin E., see Jieh-Shian Young (15) (1990) (3) 193–198
Lin, F., Control of large scale discrete event systems: Task allocation and coordination (17) (1991) (3) 169–175
Lin, F., see R.D. Brandt (15) (1990) (2) 111–117
Lin, L., see L.Y. Wang (19) (1992) (4) 287–291
Lin, Y. and **E.D. Sontag**, A universal formula for stabilization with bounded controls (16) (1991) (6) 393–397

Lin, Z. and **A. Saberi,** Semi-global stabilization of partially linear composite systems via feedback of the state of the linear part (20) (1993) (3) 199–207
Linnemann, A., A class of single-input single-output systems stabilizable by reduced-order controllers (11) (1988) (1) 27– 32
Linnemann, A., $\mathscr{L}_\infty$-induced optimal performance in sampled-data systems (18) (1992) (4) 265–275
Linnemann, A., I. Postlethwaite and **B.D.O. Anderson,** Almost disturbance decoupling with stabilization by measurement feedback (12) (1989) (3) 225–234
Liu, C.-C., see K.T. Vu (11) (1988) (5) 399–407
Liu, C.-C., see K.T. Vu (15) (1990) (4) 329–338
Liu, Derong and **A.N. Michel,** Asymptotic stability of systems operating on a closed hypercube (19) (1992) (4) 281–285
Liu, D. and **A.N. Michel,** Null controllability of systems with control constraints and state saturation (20) (1993) (2) 131–139
Liu, G.P., Disturbance spaces and sup regulators in discrete time (18) (1992) (1) 33– 38
Liu, Jin-Sin, Hybrid position/force tracking for a class of constrained mechanical systems (17) (1991) (5) 395–399
Liu, Jing-Sin, Augmented decouplable outputs selection for redundantly actuated systems (19) (1992) (1) 53– 60
Liu, Jing-Sin and **King Yuan,** On tracking control for affine nonlinear systems by sliding mode (13) (1989) (5) 439–443
Liu, Jing-Sin, Yung-Shan Chou and **Fan-Ren Chang,** Decoupling of continuous-time linear time-invariant systems using generalized sampled-data hold functions (19) (1992) (1) 61– 69
Ljung, L., see B. Bernhardsson (14) (1990) (2) 183
Ljung, L., see K. Wang (12) (1989) (1) 53– 56
Logemann, H. and **H. Zwart,** Some remarks on adaptive stabilization of infinite-dimensional systems (16) (1991) (3) 199–207
Logemann, H., see R.F. Curtain (13) (1989) (4) 291–297
Logemann, H., see A. Ilchmann (18) (1992) (5) 355–364
Łojasiewicz Jr., S., see B. Koskosz (12) (1989) (5) 455–459
Łojasiewicz Jr., S., see B. Koskosz (19) (1992) (3) 241–247
Löhnberg, P., see H. Berghuis (18) (1992) (5) 403–407
Longhi, S., see O.M. Grasselli (16) (1991) (1) 33– 40
Loubaton, P., Non-full-rant causal approximations of full-rank multivariate stationary processes with rational spectrum (15) (1990) (3) 265–272
Lu, W. and **D.G. Fisher,** RLS parameter convergence with overparametrized models (12) (1989) (2) 133–138
Luo, Z.-H., On existence and uniqueness of solutions of a class of perturbed second order evolution equations (17) (1991) (5) 401–408

Madiwale, A.N., W.M. Haddad and **O.S. Bernstein,** Robust H_∞ control design for systems with structures parameter uncertainty (12) (1989) (5) 383–391
Maeda, H., see Y. Ohta (17) (1991) (4) 251–256
Malabre, M., V. Kučera and **P. Zagalak,** Reachability and controllability indices for linear descriptor systems (15) (1990) (2) 119–123
Mansour, M. and **B.D.O. Anderson,** Kharitonov's theorem and the second method of Lyapunov (20) (1993) (1) 39– 47
Mansour, M., see Q.-H. Wu (13) (1989) (3) 227–232
Mao, X., Exponential stability of large-scale stochastic differential equations (19) (1992) (1) 71– 81
Mao, X., Robustness of stability of nonlinear systems with stochastic delay perturbations (19) (1992) (5) 391–400
Marcus, S.I., see A. Arapostathis (13) (1989) (5) 373–381
Marcus, S.I., see R.D. Brandt (15) (1990) (2) 111–117
Marcus, S.I., see E. Fernández-Gaucherand (15) (1990) (5) 425–432
Marcus, S.I., see M.K. Ghosh (16) (1991) (5) 379–385
Marcus, S.I., see R. Kumar (17) (1991) (3) 157–168
Marino, R. and **P. Tomei,** Dynamic output feedback linearization and global stabilization (17) (1991) (2) 115–121
Marino, R., see W.M. Boothby (12) (1989) (1) 87 – 92
Marino, R., see B. Charlet (13) (1989) (2) 143–151
Mariton, M., Almost sure and moments stability of jump linear systems (11) (1988) (5) 393–397
Marro, G., see G. Conte (17) (1992) (2) 131–135
Marsden, J.E., see A.M. Bloch (14) (1990) (4) 341–346
Mårtensson, B., Remarks on adaptive stabilization of first order non-linear systems (14) (1990) (1) 1– 7
Mårtensson, B. and **J.W. Polderman,** Correction and simplification to "The order of a stabilizing regulator is sufficient a priori information for adaptive stabilization" (20) (1993) (6) 465–470
Martin, C.F. and **M. Stamp,** Classification and generalization of pseudo-random number generators (14) (1990) (2) 169–175
Martin, C.F., see W.P. Dayawansa (12) (1989) (3) 205–211
Martin, C.F., see W.P. Dayawansa (13) (1989) (4) 363–364
Martin, J.M., State space measures of robustness of pole locations for structured and unstructured perturbations (16) (1991) (6) 423–433
Martin, P., An intrinsic sufficient condition for regular decoupling (20) (1993) (5) 383–391
Mayne, D.Q., see H. Michalska (16) (1991) (2) 123–130

Mazliak, L., Comparison between optimal costs for relaxed and non-relaxed control problems with jumps (17) (1991) (4) 315–319
McClamroch, N.H., Feedback stabilization of control systems described by a class of nonlinear differential-algebraic equations (15) (1990) (1) 53– 60
Medanić, J.V., see R.J. Veillette (13) (1989) (3) 193–204
Mendlovitz, M.A., A simple solution to the l^1 optimization problem (12) (1989) (5) 461–463
Michaletzky, Gy., Hankel-norm approximation of a rational function using stochastic realizations (13) (1989) (3) 211–216
Michalska, H. and **D.Q. Mayne**, Receding horizon control of nonlinear systems without differentiability of the optimal value function (16) (1992) (2) 123–130
Michel, A.N., see Derong Liu (19) (1992) (4) 281–285
Michel, A.N., see D. Liu (20) (1993) (2) 131–139
Michel, A.N., see K. Wang (20) (1993) (5) 345–351
Middleton, R.H., see G.C. Goodwin (13) (1989) (2) 161–163
Mikami, H., see Y. Kaku (11) (1988) (2) 123–127
Mita, T., see Y. Kaku (11) (1988) (2) 123–127
Mita, T., see M. Sampei (14) (1990) (1) 13– 24
Mo, L. and **M.M. Bayoumi**, Hybrid adaptive control for robot manipulators (15) (1990) (5) 405–409
Molchanov, A.P. and **Ye.S. Pyatnitskiy**, Criteria of asymptotic stability of differential and difference inclusions encountered in control theory (13) (1989) (1) 59– 64
Monaco, S. and **D. Normand-Cyrot**, Zero dynamics of sampled nonlinear systems (11) (1988) (3) 229–234
Monaco, S., see B. Castillo (20) (1993) (1) 57– 65
Moonen, M., **B. De Moor**, **J. Ramos** and **S. Tan**, A subspace identification algorithm for descriptor systems (19) (1992) (1) 47– 52
Moore, J.B., see A.D.B. Paice (14) (1990) (2) 121–129
Moore, J.B., see A.D.B. Paice (15) (1990) (2) 125–135
Moore, J.B., see J.E. Perkins (14) (1990) (5) 369–379
Mora, M.D., see G. Ciccarella (20) (1993) (5) 373–382
Mori, T., see H. Kokame (16) (1991) (2) 107–116
Morse, A.S., see I. Kanellakopoulos (18) (1992) (2) 83– 92
Mrabti, M. and **A. Hmamed**, Bounds for the solution of the Lyapunov matrix equation – A unified approach (18) (1992) (1) 73– 81
Muratori, S. and **S. Rinaldi**, Excitability, stability, and sign of equilibria in positive linear systems (16) (1991) (1) 59– 63
Mustafa, D., Relations between maximum entropy/H_∞ control and combined H_∞/LQG control (12) (1989) (3) 193–203
Mustafa, D. and **T.N. Davidson**, Balanced approximation can be optimal (20) (1993) (6) 397–400
Mustafa, D., see W.H. Haddad (16) (1991) (4) 235–247
Mustafa, D., see P.A. Iglesias (14) (1990) (4) 275–286
Myszkorowski, P., Practical stabilization of a class of uncertain nonlinear systems (18) (1992) (3) 233–236

Nagata, A., see K. Horiguchi (15) (1990) (5) 397–403
Nain, Ph., Interchange arguments for classical scheduling problems in queues (12) (1989) (2) 177–184
Nakamichi, M., see M. Sampei (14) (1990) (1) 13– 24
Nakazumi, S., see A. Ohara (16) (1991) (4) 261–266
Nam, Kwanghee, see Wonchang Lee (17) (1991) (1) 49– 58
Nerurkar, M.G., An example of almost universally observable vector fields on $P^1(\mathbf{R})$ (14) (1990) (1) 51– 54
Nerurkar, M.G., Controllability and the nature of quasi frequencies (16) (1992) (3) 195–198
Nett, C.N., see J. Chen (19) (1992) (6) 439–449
Nett, C.N., see C.A. Jacobson (19) (1992) (6) 419–424
Nichols, N.K., see J. Kautsky (15) (1990) (5) 373–380
Nicosia, S. and **A. Tornambè**, High-gain observers in the state of parameter estimation of robots having elastic joints (13) (1989) (4) 331–337
Nicosia, S., **P. Tomei** and **A. Tornambè**, An approximate observer for a class of nonlinear systems (13) (1989) (1) 43– 51
Nicosia, S., **A. Tornambè** and **P. Valigi**, Use of observers for the inversion of nonlinear maps (16) (1992) (6) 447–455
Nicosia, S., **A. Tornambè** and **P. Valigi**, A solution to the generalized problem of nonlinear map inversion (17) (1991) (5) 383–394
Nieuwenhuis, J.W., More about continuity of dynamical systems (14) (1990) (1) 25– 29
Nihtilä, M.T., Adaptive control of a continuous-time system with time-varying input delay (12) (1989) (4) 357–364
Nijmeijer, H., see H. Berghuis (18) (1992) (5) 403–407
Nijmeijer, H., see H.J.C. Huijberts (18) (1992) (6) 435–443
Nijmeijer, H., see L. van der Wegen (12) (1989) (2) 139–149
Nishimura, T., see K. Horiguchi (15) (1990) (5) 397–403
Normand-Cyrot, D., see B. Castillo (20) (1993) (1) 57– 65
Normand-Cyrot, D., see S. Monaco (11) (1988) (3) 229–234
Nunnari, G., see L. Fortuna (11) (1988) (1) 79– 82

Ober, R.J. and **J.A. Sefton,** Stability of control systems and graphs of linear systems (17) (1991) (4) 265–280
Ohara, A., S. Nakazumi and **N. Suda,** Relations between a parametrization of stabilizing state feedback gains and eigenvalue locations (16) (1991) (4) 261–266
Ohsumi, A., Quantum-mechanical representation of nonlinear filtering and stochastic optimal control (12) (1989) (2) 185–192
Ohta, Y., H. Maeda and **S. Kodama,** Unit interpolation in H_∞: Bounds of norm and degree of interpolants (17) (1991) (4) 251–256
Ohta, Y. see M. Dahleh (11) (1988) (4) 271–275
Ortega, R. and **A. Herrera,** A solution to the decentralized adaptive stabilization problem (20) (1993) (4) 299–306
Outbib, R. and **G. Sallet,** Stabilizability of the angular velocity of a rigid body revisited (18) (1992) (2) 93– 98
Owen, J.G. and **G. Zames,** Robust H^∞ disturbance minimization by duality (19) (1992) (4) 255–263
Owens, D.H., see A. Ilchmann (14) (1990) (5) 437–443
Özbay, H., A simpler formula for the singular values of a certain Hankel operator (15) (1990) (5) 381–390
Özgüler, A.B., see K.A. Ünyelioğlu (18) (1992) (1) 23– 31

Packard, A. and **J.W. Balsamo,** A maximum modulus theorem for linear fractional transformations (11) (1988) (5) 365–367
Packard, A., K. Zhou, P. Pandey, J. Leonhardson and **G. Balas,** Optimal, constant I/O similarity scaling for full-information and state-feedback control problems (19) (1992) (4) 271–280
Paice, A.D.B. and **J.B. Moore,** On the Youla–Kucera parametrization for nonlinear systems (14) (1990) (2) 121–129
Paice, A.D.B. and **J.B. Moore,** Robust stabilisation of nonlinear plants via left coprime factorizations (15) (1990) (2) 125–135
Palaniswami, M., see G. Feng (17) (1991) (3) 209–215
Palaniswami, M., see G. Feng (18) (1992) (2) 99–107
Palaniswami, M., see G. Feng (18) (1992) (3) 211–215
Panagiotakis, G.E., see P.N. Paraskevopoulos (18) (1992) (4) 309–321
Pandey, P., see A. Packard (19) (1992) (4) 271–280
Pandolfi, L., A Lyapunov theorem for semi-groups of operators (15) (1990) (2) 147–151
Pandolfi, L., An integral equation approach to the singular values of a system with distributed output delays (20) (1993) (6) 447–454
Pandolfi, L. and **H. Zwart,** Stability of perturbed linear distributed parameter systems (17) (1991) (4) 257–264
Panier, E.R., M.K.H. Fan and **A.L. Tits,** On the robust stability of polynomials with no cross-coupling between the perturbations in the coefficients of even and odd powers (12) (1989) (4) 291–299
Papavasiliou, G.C., see J.C. Allwright (18) (1992) (2) 159–164
Paraskevopoulos, P.N., F.N. Koumboulis, K.G. Tzierakis, and **G.E. Panagiotakis,** Observer design for generalized state space systems with unknown inputs (18) (1992) (4) 309–321
Paraskevopoulos, P.N., see K.G. Arvanitis (19) (1992) (4) 313–323
Pardoux, E. and **S.G. Peng,** Adapted solution of a backward stochastic differential equation (14) (1990) (1) 55– 61
Partington, J.R., Approximation of unstable infinite-dimensional systems using co-prime factors (16) (1991) (2) 89– 96
Partington, J.R., Worst-case identification in Banach spaces (18) (1992) (6) 423–428
Partington, J.R. and **K. Glover,** Robust stabilization of delay systems by approximation of coprime factors (14) (1990) (4) 325–331
Partington, J.R., see C.A. Jacobson (19) (1992) (6) 419–424
Pascoal, A.M., see R. Ravi (18) (1992) (6) 455–465
Pavon, M., see T.J. Taylor (11) (1988) (2) 117–121
Pavon, M., see H.K. Wimmer (19) (1992) (3) 233–239
Pearson, J.B., see B. Bamieh (17) (1991) (2) 79– 88
Pearson, J.B., see M. Khammash (14) (1990) (2) 93–101
Pearson, J.B., see M. Khammash (20) (1993) (3) 179–187
Peng, S. and **C.E. de Souza,** Bounds on the solution of the algebraic Riccati equation under perturbations in the coefficients (15) (1990) (2) 175–181
Peng, S.G., see E. Pardoux (14) (1990) (1) 55– 61
Peng, Y. and **M. Kinnaert,** On the link between generalized predictive control and deadbeat control for linear multivariable systems (16) (1991) (4) 267–272
Peng, Y., see M. Kinnaert (15) (1990) (4) 303–311
Perdon, A.M., see G. Conte (17) (1991) (2) 131–135
Peres, P.L.D., J.C. Geromel and **S.R. Souza,** $\mathcal{H}_\infty$ guaranteed cost control for uncertain continuous-time linear systems (20) (1993) (6) 413–418
Peres, P.L.D., see J. Bernussou (13) (1989) (1) 65– 72
Peres, P.L.D., see J.C. Geromel (19) (1992) (1) 23– 27
Perkins, J.E., U. Helmke and **J.B. Moore,** Balanced realizations via gradient flow techniques (14) (1990) (5) 369–379
Petersen, I.R., see J.M. Collado (11) (1988) (1) 83
Polderman, J.W., see B. Mårtensson (20) (1993) (6) 465–470
Pomet, J.-B., Explicit design of time-varying stabilizing control laws for a class of controllable systems without drift (18) (1992) (2) 147–158
Pommaret, J.F., Structure at infinity revisited (20) (1993) (5) 327–333

Postlethwaite, I., see A. Linnemann (12) (1989) (3) 225–234
Praagman C. and **J.M. Soethoudt**, A note on finite memory in locally square integrable systems (18) (1992) (6) 449–453
Praagman, C., see S.Q. Zhu (11) (1988) (1) 43– 59
Praly, L., see J.-M. Coron (17) (1991) (2) 89–104
Pritchard, A.J. and **S. Townley**, Robust compensator design via structured stability (11) (1988) (1) 33– 37
Pritchard, A.J., see A.E. Bouhtouri (19) (1992) (1) 29– 33
Pritchard, A.J., see D. Hinrichsen (14) (1990) (5) 401–408
Przyluski, K.M. and **A. Sosnowski**, On observers for linear discrete-time systems with delays and unknown disturbances (13) (1989) (2) 165–170
Przyluski, K.M., see A. Banaszuk (11) (1988) (4) 289–297
Przyluski, K.M., see G. Kern (15) (1990) (1) 61– 66
Pyatnitskiy, Ye.S., see A.P. Molchanov (13) (1989) (1) 59– 64

Qiu, L. and **E.J. Davison**, A simple procedure for the exact stability robustness computation of polynomials with affine coefficient pertubations (13) (1989) (5) 413–420
Qiu, L. and **E.J. Davison**, Feedback stability under simultaneous gap metric uncertainties in plant and controller (18) (1992) (1) 9– 22
Qu, Z., Global stabilization of nonlinear systems with a class of unmatched uncertainties (18) (1992) (4) 301–307
Qu, Zhihua, J.F. Dorsey, Xinfan Zhang and **D.M. Dawson**, Robust control of robots by the computed torque law (16) (1991) (1) 25– 32
Qu, Z., see D.M. Dawson (18) (1992) (3) 217–222

Răsvan, V., see A. Halanay (14) (1990) (2) 177–181
Rakotopara, D., see F. Deza (18) (1992) (4) 295–299
Ramadge, P. J., see C. Golaszewski (12) (1989) (5) 431–435
Raman, S. and **E.-W. Bai**, A linear, robust and convergent interpolatory algorithm for quantifying model uncertainties (18) (1992) (3) 173–177
Ramos, J., see M. Moonen (19) (1992) (1) 47– 52
Ran, A.C.M., State space formulas for a model matching problem (12) (1989) (1) 17– 21
Rantzer, A., Hurwitz testing sets for parallel polytopes of polynomials (15) (1990) (2) 99–104
Ravi, R., A.M. Pascoal and **P.P. Khargonekar**, Normalized coprime factorizations for linear time-varying systems (18) (1992) (6) 455–465
Rebarber, R., Necessary conditions for exponential stabilizability of distributed parameter systems with infinite dimensional unbounded feedback (14) (1990) (3) 241–248
Rebarber, R., Semigroup generation and stabilization by A^0-bounded feedback perturbations (14) (1990) (4) 333–340
Rinaldi, S., see S. Muratori (16) (1991) (1) 59– 63
Rodman, L., Pole shifting for matrices over real algebras (19) (1992) (6) 475–480
Rodman, L., see J.A. Ball (20) (1993) (6) 401–411
Rodman, L., see R.F. Curtain (15) (1990) (2) 153–159
Rodriguez, A.A. and **M.A. Dahleh**, On the computation of induced norms for non-compact Hankel operators arising from distributed control problems (19) (1992) (6) 429–438
Rogoziński, M.W., Optimal predictor for a singular random process (12) (1989) (5) 449–453
Rogoziński, M.W., Self-tuning control with additional feedback signals (17) (1991) (1) 15– 27
Rogozinski, M.W. and **M.J. Gibbard**, Long-range predictive control – closed-loop system analysis (11) (1988) (5) 341–349
Rohlicek, J.R. and **A.S. Willsky**, Multiple time scale decomposition of discrete time Markov chains (11) (1988) (4) 309–314
Rosier,L., Homogeneous Lyapunov function for homogeneous continuous vector field (19) (1992) (6) 467–473
Rotea, M.A. and **A.E. Frazho**, Bounds on solutions to $\mathscr{H}_\infty$ algebraic Riccati equations and $\mathscr{H}_2$ properties of $\mathscr{H}_\infty$ central solutions (19) (1992) (5) 341–352
Roubaud, M.C., An approximate filter for a partially observed piecewise linear system with small observation noise (20) (1993) (3) 239–247
Rowland, J.D.L. and **R.B. Vinter**, Construction of optimal feedback controls (16) (1991) (5) 357–367
Rudie, K. and **W.M. Wonham**, The infimal prefix-closed and observable superlanguage of a given language (15) (1990) (5) 361–371
Rugh, W.J., see D.A. Lawrence (17) (1991) (4) 281–289
Rugh, W.J., see D.A. Lawrence (18) (1992) (4) 323–324
Rugh, W.J., see J. Wang (12) (1989) (2) 161–167
Runggaldier, W.J., see M. Ferrante (14) (1990) (1) 63– 69
Ryan, E.P., A universal adaptive stabilizer for a class of nonlinear systems (16) (1991) (3) 209–218
Ryan, E.P., Universal $W^{1,\infty}$-tracking for a class of nonlinear systems (18) (1992) (2) 201–210
Ryan, E.P., see S. Townley (16) (1991) (4) 249–259

Saberi, A., see Z. Lin (20) (1993) (3) 199–207
Saeks, R., Output feedback invariants and complex breakpoints (20) (1993) (1) 7– 9

Safonov, M.G., see J.A. Tekawy (19) (1992) (2) 131–137
Safonov, M.G., see W. Wang (14) (1990) (4) 307–317
Sakr, A.F. and **I. Khalifa**, Eigenstructure assignment for descriptor systems by output feedback compensation (14) (1990) (2) 139–143
Sallet, G., see R. Outbib (18) (1992) (2) 93– 98
Sambandan, A., see B. Umamaheswari (20) (1993) (2) 149–155
Sampei, M., **T. Mita** and **M. Nakamichi**, An algebraic approach to H_∞ output feedback control problems (14) (1990) (1) 13– 24
San Martin, L.A.B., see V. Ayala Bravo (16) (1991) (4) 289–293
Sandberg, I.W. and **K.K. Johnson**, On steady-state errors in nonlinear control systems (18) (1992) (5) 391–395
Sarychev, A.V., High-order necessary conditions of optimality for nonlinear control systems (16) (1991) (5) 369–378
Sarychev, A.V., Sufficient optimality conditions for Pontryagin extremals (19) (1992) (6) 451–460
Sasaki, G., see B. Hajek (12) (1989) (5) 443–447
Sastry, S., **J. Hauser** and **P. Kokotović**, Zero dynamics of regularly perturbed systems may be singularly perturbed (13) (1989) (4) 299–314
Savona, C. Approximate non-linear filtering for piecewise linear systems (11) (1988) (4) 327–332
Schaft, A. van der, Representing a nonlinear state space system as a set of higher-order differential equations in the inputs and outputs (12) (1989) (2) 151–160
Schaft, A. van der, On a state space approach to nonlinear H^∞ control (16) (1991) (1) 1– 8
Scherer, C., H_∞-control by state feedback: An iterative algorithm and characterization of high-gain occurrence (12) (1989) (5) 383–391
Schmale, W., On generic reachability over certain Banach algebras (11) (1988) (4) 315–318
Schmale, W., Three-dimensional feedback cyclization over $\mathbb{C}[y]$ (12) (1989) (4) 327–330
Schumacher, J.M., A pointwise criterion for controller robustness (18) (1992) (1) 1– 8
Schuppen, J.H. van, see Han-Fu Chen (13) (1989) (5) 397–404
Šebek, M., Two-sided equations and skew primeness for n-D polynomial matrices (12) (1989) (4) 331–337
Sefton, J. and **K. Glover**, Pole/zero cancellations in the general H_∞ problem with reference to a two block design (14) (1990) (4) 295–306
Sefton, J.A., see R.J. Ober (17) (1991) (4) 265–280
Seibert, P. and **R. Suarez**, Global stabilization of nonlinear cascade systems (14) (1990) (4) 347–352
Seibert, P. and **R. Suarez**, Global stabilization of a certain class of nonlinear systems (16) (1991) (1) 17– 23
Sepulchre, R., see D. Aeyels (19) (1992) (6) 461–465
Shadwick, W.F., Absolute equivalence and dynamic feedback linearization (15) (1990) (1) 35– 39
Shadwick, W.F., see R.B. Gardner (15) (1990) (1) 15– 23
Shadwick, W.F., see R.B. Gardner (15) (1990) (1) 25– 33
Shamma, J.S., Nonlinear time-varying compensation for simultaneous performance (15) (1990) (4) 357–360
Shamma, J.S., Performance limitations in sensitivity reduction for nonlinear plants (17) (1991) (1) 43– 47
Shamma, J.S., see M.A. Dahleh (18) (1992) (4) 245–252
Shayman, M.A., see U. Helmke (12) (1989) (2) 111–122
Shi, G., **Y. Zou** and **C. Yang**, An algebraic approach to robust H_∞ control via state feedback (18) (1992) (5) 365–370
Shi, Z.C., see B.R. Barmish (15) (1990) (2) 91– 98
Sideris, A., and **B.R. Barmish**, An edge theorem for polytopes of polynomials which can drop in degree (13) (1989) (3) 233–238
Sira-Ramírez, H., Distributed sliding mode control in systems described by linear and quasilinear partial differential equations (13) (1989) (2) 177–181
Sira-Ramírez, H., Dynamical pulse width modulation control of nonlinear systems (18) (1992) (3) 223–231
Sira-Ramírez, H., On the sliding mode control of nonlinear systems (19) (1992) (4) 303–312
Sivashankar, N., see P.P. Khargonekar (17) (1991) (6) 425–436
Slavov, J.I., see A.L. Dontchev (11) (1988) (5) 385–391
Slotine, J.-J.E., see W. Li (12) (1989) (3) 259–266
Smith, M.C., Singular values and vectors of a class of Hankel operators (12) (1989) (4) 301–308
Smith, M.C., see J.C. Doyle (20) (1993) (2) 79– 85
Smith, M.C., see T.T. Georgiou (13) (1989) (4) 271–277
Smith, S.T., Dynamical systems that perform the singular value decomposition (16) (1991) (5) 319–327
Söderström, T., see P. Stoica (11) (1988) (2) 99–105
Soethoudt, J.M. and **H.L. Trentelman**, The regular indefinite linear-quadratic problem with linear endpoint constraints (12) (1989) (1) 23– 31
Soethoudt, J.M., see C. Praagman (18) (1992) (6) 449–453
Soh, Y.C. and **Y.K. Foo**, Generalized edge theorem (12) (1989) (3) 219–224
Soh, Y.C. and **Y.K. Foo**, A note on the edge theorem (15) (1990) (1) 41– 43
Soh, Y.C., **Y.K. Foo** and **C.B. Soh**, Perturbed polynomials with zeros in the left-sector (12) (1989) (5) 415–419
Soh, C.B., see Y.C. Soh (12) (1989) (5) 415–419
Soh, Y.C., see Y.K. Foo (13) (1989) (3) 239–245

Song, Y.D. and **J.N. Anderson,** Adaptive path tracking control of robotic manipulators with unknown payload dynamics (17) (1991) (1) 59– 70
Sontag, E.D., Bilinear realizability is equivalent to existence of a singular affine differential i/o equation (11) (1988) (3) 181–187
Sontag, E.D., A 'universal' construction of Artstein's theorem on nonlinear stabilization (13) (1989) (2) 117–123
Sontag, E.D., Universal nonsingular controls (19) (1992) (3) 221–224
Sontag, E.D., Universal nonsingular controls: Errata (20) (1993) (1) 77
Sontag, E.D. and **H.J. Sussmann,** Further comments on the stabilizability of the angular velocity of a rigid body (12) (1989) (3) 273–279
Sontag, E.D. and **Y. Yamamoto,** On the existence of approximately coprime factorizations for retarded systems (13) (1989) (1) 53– 58
Sontag, E.D., see A. Arapostathis (13) (1989) (5) 373–381
Sontag, E.D., see Y. Lin (16) (1991) (6) 393–397
Sontag, E.D., see Y. Wang (13) (1989) (4) 279–289
Sosnowski, A., see K.M. Przyluski (13) (1989) (2) 165–170
Souza, C.E. de, see S. Peng (15) (1990) (2) 175–181
Souza C.E. de, see Y. Wang (19) (1992) (2) 139–149
Souza, S.R., see J.C. Geromel (19) (1992) (1) 23– 27
Souza, S.R., see P.L.D. Peres (20) (1993) (6) 413–418
Soverini, U., see S. Beghelli (18) (1992) (5) 339–346
Spieksma, F., see A. Hordijk (13) (1989) (1) 31– 41
Spong, M.W., Adaptive control of flexible joint manipulators (13) (1989) (1) 15– 21
Sreeram, V. and **P. Agathoklis,** Model reduction using balanced realizations with improved low frequency behaviour (12) (1989) (1) 33– 38
Sritharan, S.S., Dynamic programming of the Navier–Stokes equations (16) (1992) (4) 299–307
Stamp, M., see C.F. Martin (14) (1990) (2) 169–175
Steigenberger, J. and **T. Fliegner,** Stability of a disturbance decoupled rigid body (19) (1992) (3) 249–254
Steinbuch, M., see N.A. Bruinsma (14) (1990) (4) 287–293
Stoica, P., B. Friedlander and **T. Söderström,** A high-order Yule–Walker method for estimation of the AR parameters of an ARMA model (11) (1988) (2) 99–105
Stoorvogel, A.A., The singular minimum entropy H_∞ control problem (16) (1991) (6) 411–422
Stoorvogel, A.A. and **J.W. van der Woude,** The disturbance decoupling problem with measurement feedback and stability for systems with direct feedthrough matrices (17) (1991) (3) 2–226
Stoorvogel, A.A., see S.Q. Zhu (12) (1989) (5) 409–413
Stronegger, W.J., When is a sequence of sufficient σ-algebras a filter system? (16) (1991) (6) 473–477
Styczeń, K., Optimal periodic boundary control for a reactor: A performance improvement criterion (15) (1990) (4) 323–328
Styczeń, K., Optimal periodic non-boundary control for a tubular reactor: A performance improvement criterion (16) (1991) (1) 71– 78
Suárez, R., see J. Alvarez (20) (1993) (4) 319–326
Suarez, R., see P. Seibert (14) (1990) (4) 347–352
Suarez, R., see P. Seibert (16) (1991) (1) 17– 23
Suda, N., see A. Ohara (16) (1991) (4) 261–266
Sugie, T. and **S. Hara,** H_∞-suboptimal control problem with boundary constraints (13) (1989) (2) 93– 99
Sugie, T. and **M. Vidyasagar,** Further results on the robust tracking problem in two-degree-of-freedom control systems (13) (1989) (2) 101–108
Sugie, T., see S. Hara (16) (1991) (3) 179–185
Sugimoto, K. and **Y. Yamamoto,** A polynomial matrix method for computing stable rational doubly coprime factorizations (14) (1990) (3) 267–273
Sung, H.-K., see S. Hara (12) (1989) (2) 123–128
Sussmann, H.J., see P.V. Kokotović (13) (1989) (2) 125–133
Sussmann, H.J., see E.D. Sontag (12) (1989) (3) 273–279
Svobodny, T.P., Control of the wave equation at a rational point (19) (1992) (1) 83– 86
Szynal, D., see A. Kowalski (12) (1989) (3) 273–279

Tadmor, G., Receding horizon revisited: An easy way to robustly stabilize an LTV system (18) (1992) (4) 285–294
Tadmor, G., see W.M. Haddad (20) (1993) (2) 87– 97
Tan, S. and **J. Vandewalle,** An alternative proof for the minimal factorization theorem for rational matrices (14) (1990) (1) 37– 40
Tan, S., see M. Moonen (19) (1992) (1) 47– 52
Tannenbaum, A., see B. Bamieh (17) (1991) (2) 79– 88
Tannenbaum, A., see C. Foias (11) (1988) (4) 259–264
Tarn, T.J., see D. Cheng (12) (1989) (4) 319–326
Tarn, T.J., see W. Zhan (17) (1991) (3) 177–184

Tay, T.T., see G. Belforte (20) (1993) (4) 273–278
Taylor, T.J. and **M. Pavon**, A solution of the nonlinear stochastic realization problem (11) (1988) (2) 117–121
Tchoń, K. and **P. Urban**, Classification of kinematic singularities in planar robot manipulators (19) (1992) (4) 293–302
Teel, A.R., Global stabilization and restricted tracking for multiple integrators with bounded controls (18) (1992) (3) 165–171
Teel, A.R., Semi-global stabilization of minimum phase nonlinear systems in special normal forms (19) (1992) (3) 187–192
Tekawy, J.A., **M.G. Safonov** and **C.T. Leondes**, Robustness measures for systems with one-sided parameter uncertainties (19) (1992) (2) 131–137
Tempo, R., see B.R. Barmish (15) (1990) (2) 91– 98
Teneketzis, D., see R. Agrawal (13) (1989) (5) 405–412
Teneketzis, D., see R.B. Washburn Jr. (12) (1989) (3) 281–286
Tesi, A. and **A. Vicino**, A new fast algorithm for robust stability analysis of linear control systems with linearly dependent parametric uncertainties (13) (1989) (4) 321–329
Tesi, A. and **Vicino**, Frequency response of interval plant-controller families (18) (1992) (5) 347–354
Tesi, A., see A.C. Bartlett (19) (1992) (5) 365–370
Tesi, A., see M. Dahleh (19) (1992) (5) 353–363
Tesi, A., see R. Genesio (11) (1988) (1) 39– 46
Tewfik, A.H., **A.S. Willsky** and **B.C. Levy**, Parallel smoothing (14) (1990) (3) 253–259
Theodosopoulos, T.V., see M.A. Dahleh (20) (1993) (3) 157–166
Tissir, E., see A. Belhouari (18) (1992) (3) 183–189
Tits, A.L., see M.K.H. Fan (18) (1992) (6) 409–421
Tits, A.L., see E.R. Panier (12) (1989) (4) 291–299
Tits, A.L., see N.-K. Tsing (20) (1993) (6) 439–445
Tomei, P., see R. Marino (17) (1991) (2) 115–121
Tomei, P., see S. Nicosia (13) (1989) (1) 43– 51
Tornambè A., Asymptotic inverse dynamics of feedback linearizable systems (16) (1991) (2) 145–154
Tornambè, A., Output feedback stabilization of a class of non-minimum phase nonlinear systems (19) (1992) (3) 193–204
Tornambè, A. and **P. Valigi**, A decentralized controller for the robust stabilization of a class of MIMO linear systems (18) (1992) (5) 383–390
Tornambè, A., see S. Nicosia (13) (1989) (1) 43– 51
Tornambè, A., see S. Nicosia (13) (1989) (4) 331–337
Tornambè A., see S. Nicosia (16) (1991) (6) 447–455
Tornambè, A., see S. Nicosia (17) (1991) (5) 383–394
Townley, S., Stability radius optimization: A geometric approach (14) (1990) (3) 199–207
Townley, S. and **E.P. Ryan**, On the supremally regulated complex stability radius as a real robustness measure (16) (1991) (4) 249–259
Townley, S., see A.C. Hicks (20) (1993) (2) 117–129
Townley, S., see A. Ilchmann (20) (1993) (3) 189–198
Townley, S., see A.J. Pritchard (11) (1988) (1) 33– 37
Trentelman, H.L., see J.M. Soethoudt (12) (1989) (1) 23– 31
Tsai, M.C. and **L.W. Chen**, A numerical algorithm for inner–outer factorizations of real-rational matrices (20) (1993) (3) 209–217
Tsai, T.-P., see Y.-T. Hsu (20) (1993) (5) 365–372
Tsay, Shuh-Chuan, Robust control for linear uncertain systems via linear quadratic state feedback (15) (1990) (3) 199–205
Tsing, N.-K. and **A.L. Tits**, When is the multiaffine image of a cube a convex polygon? (20) (1993) (6) 439–445
Tsinias, J., Observer design for nonlinear control systems (13) (1989) (2) 135–142
Tsinias, J., Further results on the observer design problem (14) (1990) (5) 411–418
Tsinias, J., Optimal controllers and output feedback stabilization (15) (1990) (4) 227–284
Tsinias, J., Asymptotic feedback stabilization: A sufficient condition for the existence of control Lyapunov functions (15) (1990) (5) 411–448
Tsinias, J., A correction note on the paper: "Further results on the observer design problem" (15) (1990) (5) 449
Tsinias, J., A generalization of Vidyasagar's theorem on stabilizability using state detection (17) (1991) (1) 37– 42
Tsinias, J., Planar nonlinear systems: Practical stabilization and Hermes controllability condition (17) (1991) (4) 291–296
Tsinias, J., A theorem on global stabilization of nonlinear systems by linear feedback (17) (1991) (5) 357–362
Tsinias, J., A local stabilization theorem for interconnected systems (18) (1992) (6) 429–434
Tsinias, J., An extension of Artstein's theorem on stabilization by using ordinary feedback integrators (20) (1993) (2) 141–148
Tsinias, J., Sontag's 'input to state stability condition' and global stabilization using state detection (20) (1993) (3) 219–226
Tsitsiklis, J.N., see M.A. Dahleh (20) (1993) (3) 157–166
Tzierakis, K.G., see P.N. Paraskevopoulos (18) (1992) (4) 309–321

Ünyelioğlu, K.A., **A.B. Özgüler** and **P.P. Khargonekar**, Decentralized simultaneous stabilization and reliable control using periodic feedback (18) (1992) (1) 23– 31

Uchida, K. and **M. Fujita,** On the central controller: Characterizations via differential games and LEQG control problems (13) (1989) (1) 9– 13
Umamaheswari, B. and **A. Sambandan,** A numerical method for decentralized eigenstructure assignment by output feedback (20) (1993) (2) 149–155
Urban, P., see K. Tchoń (19) (1992) (4) 293–302

Valigi, P., see S. Nicosia (16) (1991) (6) 447–455
Valigi, P., see S. Nicosia (17) (1991) (5) 383–394
Valigi, P., see A. Tornambè (18) (1992) (5) 383–390
Van Dooren, P., Comments on "Minimum gain minimum-time deadbeat controllers" (12) (1989) (1) 93– 94
Van Dooren, P., see G. Golub (18) (1992) (2) 109–120
van der Ploeg, F. and **A. de Zeeuw,** A differential game of international pollution control (17) (1991) (6) 409–414
van der Wegen, L.L.M., see H.J.C. Huijberts (18) (1992) (6) 435–443
van der Woude, J.W., see A.A. Stoorvogel (17) (1991) (3) 217–226
Vandewalle, J., see S. Tan (14) (1990) (1) 37– 40
Varga, A., A note on Hammarling's algorithm for the discrete Lyapunov equation (15) (1990) (3) 273–275
Vassilaki, M. and **G. Bitsoris,** Constrained regulation of linear continuous-time dynamics systems (13) (1989) (3) 247–252
Veillette, R.J. and **J.V. Medanić,** H_∞-norm bounds for ARE-based designs (13) (1989) (3) 193–204
Veliov, V., Second order discrete approximations to strongly convex differential inclusions (13) (1989) (3) 263–269
Vicino, A., see A.C. Bartlett (19) (1992) (5) 365–370
Vicino, A., see M. Dahleh (19) (1992) (5) 353–363
Vicino, A., see A. Tesi (13) (1989) (4) 321–329
Vicino, A., see A. Tesi (18) (1992) (5) 347–354
Vidyasagar, M. and **B.D.O. Anderson,** Approximation and stabilization of distributed systems by lumped systems (12) (1989) (2) 95–101
Vidyasagar, M., see T. Sugie (13) (1989) (2) 101–108
Villarreal, R., see L.R. Hunt (11) (1988) (2) 159–165
Vinter, R.B., see J.D.L. Rowland (16) (1991) (5) 357–367
Vivalda, J.C., On the controllability of quadratic systems in $\mathbf{R}^3$ (17) (1991) (2) 123–130
Voulgaris, P.G. and **B. Bamieh,** Optimal $\mathscr{H}^\infty$ and $\mathscr{H}^2$ control of hybrid multirate systems (20) (1993) (4) 249–261
Vu, K.T. and **C.-C. Liu,** Analysis of dynamic voltage collapse mechanism for a three-bus power system (11) (1988) (5) 399–407
Vu, K.T. and **C.-C. Liu,** Dynamic mechanisms of voltage collapse (15) (1990) (4) 329–338

Walrand, J., see N. Bambos (13) (1989) (5) 391–396
Wang, J. and **W.J. Rugh,** On the pseudo-linearization problem for nonlinear systems (12) (1989) (2) 161–167
Wang, K. and **L. Ljung,** A discussion of adaptive stabilization and robust adaptive control (12) (1989) (1) 53– 56
Wang, K. and **A.N. Michel,** On sufficient conditions for the stability of interval matrices (20) (1993) (5) 345–351
Wang, K., see B. Bernhardsson (14) (1990) (2) 183
Wang, L.Y., Lipschitz continuity of inner–outer factorization (16) (1991) (4) 281–287
Wang, Le Yi, How conservative is frozen-time interpolation? (18) (1992) (4) 277–283
Wang, L.Y. and **L. Lin,** On metric dimensions of discrete-time systems (19) (1992) (4) 287–291
Wang, L.Y. and **G. Zames,** Lipschitz continuity of H^∞ interpolation (14) (1990) (5) 381–387
Wang, Liqun, Local parametrizations of ARMAX systems with nonlinear restrictions (17) (1991) (3) 185–189
Wang, Shuenn-Shyang, Further results on stability of $\dot{X}(t) = AX(t) + BX(t-\tau)$ (19) (1992) (2) 165–168
Wang, Wen-June and **Jia-Ling Lee,** A simple condition for decentralized adaptive identification of partially known interconnected systems (20) (1993) (1) 19– 25
Wang, W. and **M.A. Safonov,** A tighter relative-error bound for balanced stochastic truncation (14) (1990) (4) 307–317
Wang, Yao-quing, A note on the solution of the algebraic Riccati equation (12) (1989) (5) 465–472
Wang, Y. and **E.D. Sontag,** On two definitions of observation spaces (13) (1989) (4) 279–289
Wang, Y., L. Xie and **C.E. de Souza,** Robust control of a class of uncertain nonlinear systems (19) (1992) (2) 139–149
Wang, Y., see C.E. de Souza (20) (1993) (6) 419–426
Washburn, R.B. Jr. and **D. Teneketzis,** Rate distorsion lower bound for a special class of nonlinear estimation problems (12) (1989) (3) 281–286
Wegen, L. van der and **H. Nijmeijer,** The local disturbance decoupling problem with stability for nonlinear systems (12) (1989) (2) 139–149
Wei, K., Stabilization of a linear plant via a stable compensator having no real unstable zeros (15) (1990) (3) 259–264
Wei, L.-F. and **F.-B. Yeh,** A modified Schur method for solving algebraic Riccati equations (16) (1991) (4) 295–297
Wei, Lin-Fang, see Fang-Bo Yeh (14) (1990) (1) 31– 36
Weibel, C.A., Complex-valued functions on the plane are pole-assignable (11) (1988) (3) 249–251
Weinert, H.L., Smoothing for multipoint boundary value models (17) (1991) (6) 445–452
Weiss, M., see F.D. Barb (16) (1991) (3) 155–158

Weiss, G., see S. Hansen (16) (1991) (3) 219–227
Weiss, M., see V. Ionescu (18) (1992) (5) 371–381
Wen, C., see D.J. Hill (11) (1988) (4) 277–284
Wen, J.T., Finite dimensional controller design for infinite dimensional systems: The circle criterion approach (13) (1989) (5) 445–454
Wen, J.T., see L. Lanari (19) (1992) (2) 119–129
Wen-Jer Chang, see Hung-Yuan Chung (19) (1992) (5) 413–417
Wertz, V., see Kuanyi Zhu (15) (1990) (2) 169–173
Wessel, A.E. and **G.L. Wise,** On estimation of random variables via the martingale convergence theorem (11) (1988) (1) 61– 64
Wette, M., see C. Kenney (12) (1989) (3) 241–250
Whittle, P., Entropy-minimizing and risk-sensitive control rules (13) (1989) (1) 1– 7
Whittle, P., A risk-sensitive maximum principle (15) (1990) (3) 183–192
Willsky, A.S., see J.R. Rohlicek (11) (1988) (4) 309–314
Willsky, A.S., see A.H. Tewfik (14) (1990) (3) 253–259
Wimmer, H.K., The kernel of the Bezoutian of polynomial matrices (12) (1989) (3) 287–290
Wimmer, H.K., Strong solutions of the discrete-time algebraic Riccati equation (13) (1989) (5) 455–457
Wimmer, H.K. and **M. Pavon,** A comparison theorem for matrix Riccati difference equations (19) (1992) (3) 233–239
Wise, G.L., see A.E. Wessel (11) (1988) (1) 61– 64
Wongsaisuwan, M., see K. Furuta (20) (1993) (6) 427–437
Wonham, W.M., see R.D. Brandt (15) (1990) (2) 111–117
Wonham, W.M., see K. Rudie (15) (1990) (5) 361–371
Woude, J.W. van der, A note on pole placement by static output feedback for single-input systems (11) (1988) (4) 285–287
Wu, Jinn-Fwu, Jia-Sheng Heh and **I-Kong Fong,** On computing pi-coefficients (16) (1991) (6) 457–463
Wu, Q.-H. and **M. Mansour,** Robust output regulation for a class of linear multivariable systems (13) (1989) (3) 227–232

Xia, Xiao-hua and **Wei-bing Gao,** On exponential observers for nonlinear systems (11) (1988) (4) 319–325
Xie, Lihua, and **C.E. de Souza,** State feedback H_∞ optimal control problems for non-detectable systems (13) (1989) (4) 315–319
Xie, L. and **C.E. de Souza,** Robust H_∞ control for linear time-invariant systems with norm-bounded uncertainty in the input matrix (14) (1990) (5) 389–396
Xie, L., C.E. de Souza and **M.D. Fragoso,** H_∞ filtering for linear periodic systems with parameter uncertainty (17) (1991) (5) 343–350
Xie, Lihua, see C.E. de Souza (18) (1992) (1) 61– 71
Xie, L., see C.E. de Souza (20) (1993) (6) 419–426
Xie, L., see Y. Wang (19) (1989) (2) 139–149
Xiong, D., see G. Gu (20) (1993) (4) 263–272

Yakubovich, V.A., Dichotomy and absolute stability of nonlinear systems with periodically nonstationary linear part (11) (1988) (3) 221–228
Yakubovich, V.A., Nonconvex optimization problem: The infinite-horizon linear-quadratic control problem with quadratic constraints (19) (1992) (1) 13– 22
Yamamoto, Y., see E.D. Sontag (13) (1989) (1) 53– 58
Yamamoto, Y., see K. Sugimoto (14) (1990) (3) 267–273
Yan, W., R.R. Bitmead and **B.D.O. Anderson,** Design problems for sensitivity and complementary sensitivity (15) (1990) (2) 137–146
Yang, C., see G. Shi (18) (1992) (5) 365–370
Yang, F., see C.V. Hollot (14) (1990) (1) 9– 12
Yang, Xiaojun, see Jinghuai Fa (20) (1993) (1) 11– 18
Ydstie, B.E., Stability of discrete model reference adaptive control – revisited (13) (1989) (5) 429–438
Ydstie, B.E., see M.P. Golden (11) (1988) (5) 413–430
Yeh, F.-B. and **T.-S. Hwang,** A computational algorithm for the super-optimal solution of the model matching problem (11) (1988) (3) 203–211
Yeh, Fang-Bo and **Lin-Fang Wei,** Inner–outer factorizations of right-invertible real-rational matrices (14) (1990) (1) 31– 36
Yeh, Fang-Bo, see Jieh-Shian Young (15) (1990) (3) 193–198
Yeh, F.-B., see L.-F. Wei (16) (1991) (4) 295–297
Yeung, K.S., see C.-M. Kwan (20) (1993) (4) 279–288
Yin, G., A stopped stochastic approximation algorithm (11) (1988) (2) 107–115
Yin, G. and **Y.M. Zhu,** On robustness of the Robbins–Monro method for parallel processing (12) (1989) (1) 77– 86
Young, Jieh-Shian, Chin E. Lin and **Fang-BoYeh,** Characterization of the sub-layers for 2-block H^∞-optimal control problem (15) (1990) (3) 193–198
Young, N.J., A polynomial method for the singular value decomposition of block Hankel operators (14) (1990) (2) 103–112
Yuan, King, see Jing-Sin Liu (13) (1989) (5) 439–443

Zagalak, P., see M. Malabre (15) (1990) (2) 99–104
Zames, G., see J.G. Owen (19) (1992) (4) 255–263
Zames, G., see L.Y. Wang (14) (1990) (5) 381–387
Zampieri, S., 2D residual generation and dead-beat observers (17) (1992) (6) 483–492
Zampieri, S., see E. Fornasini (16) (1991) (2) 117–122
Zappa, G., see L. Chisci (19) (1992) (4) 325–334
Zeitouni, O., A class of adaptive control problems solved via stochastic control (12) (1989) (1) 57– 62
Zhan, W., T.J. Tarn and **A. Isidori**, A canonical dynamic extension for noninteraction with stability for affine nonlinear square systems (17) (1992) (3) 177–184
Zhang, C., A dual rate digital compensator for zero assignment (19) (1992) (3) 225–232
Zhang, C., see G. Feng (17) (1992) (3) 209–215
Zhang, F., see S. Hosoe (11) (1988) (5) 369–380
Zhang, Ji-Feng, see Han-Fu Chen (20) (1993) (1) 27– 38
Zhang, Qing-Ling, On generalized decentralized fixed modes in descriptor systems (15) (1990) (4) 295–301
Zhang, S.-Y., Pole placement for singular systems (12) (1989) (4) 339–342
Zhang, Siying, see Jun Zhao (18) (1992) (6) 445–448
Zhang, Xinfan, see Zhihua Qu (16) (1991) (1) 25– 32
Zhang, Y., Homomorphisms and controllability of parallel composite systems (17) (1991) (6) 475–482
Zhao, Jun, and **Siying Zhang**, On the controllability of nonlinear systems with symmetry (18) (1992) (6) 445–448
Zheng, Yingping, see Jinghuai Fa (20) (1993) (1) 11– 18
Zheng, Yu-Fan, see Li Cao (18) (1992) (2) 121–128
Zhou, K. and **P.P. Khargonekar**, An algebraic Riccati equation approach to H^∞ optimization (11) (1988) (2) 85– 91
Zhou, K., see G. Gu (20) (1993) (4) 263–272
Zhou, K., see A. Packard (19) (1992) (4) 271–280
Zhou, T. and **H. Kimura**, Time domain identification for robust control (20) (1993) (3) 167–178
Zhou, X.Y., Remarks on optimal controls of stochastic partial differential equations (16) (1991) (6) 465–472
Zhu, Kuanyi, R. Gorez and **V. Wertz**, Alternative algorithms for generalized predictive control (15) (1990) (2) 169–173
Zhu, S.Q., M.L.J. Hautus and **C. Praagman**, Sufficient conditions for robust BIBO stabilization: Given by the gap metric (11) (1988) (1) 53– 59
Zhu, S.Q. and **A.A. Stoorvogel**, A representation and the norm of Toeplitz operators (12) (1989) (5) 409–413
Zhu, Y., see G. Feng (18) (1992) (2) 99–107
Zhu, Y.M., see G. Yin (12) (1989) (1) 77– 86
Zolésio, J.-P., see P. Cannarsa (12) (1989) (2) 103–109
Zolésio, J.-P., see M. Cuer (11) (1988) (2) 151–158
Zolésio, J.-P., see G. Da Prato (11) (1988) (1) 73– 77
Zou, Y., see G. Shi (18) (1992) (5) 365–370
Zwart, H.J., see R.F. Curtain (11) (1988) (4) 265–269
Zwart, H., see H. Logemann (16) (1991) (3) 199–207
Zwart, H., see L. Pandolfi (17) (1992) (4) 257–264